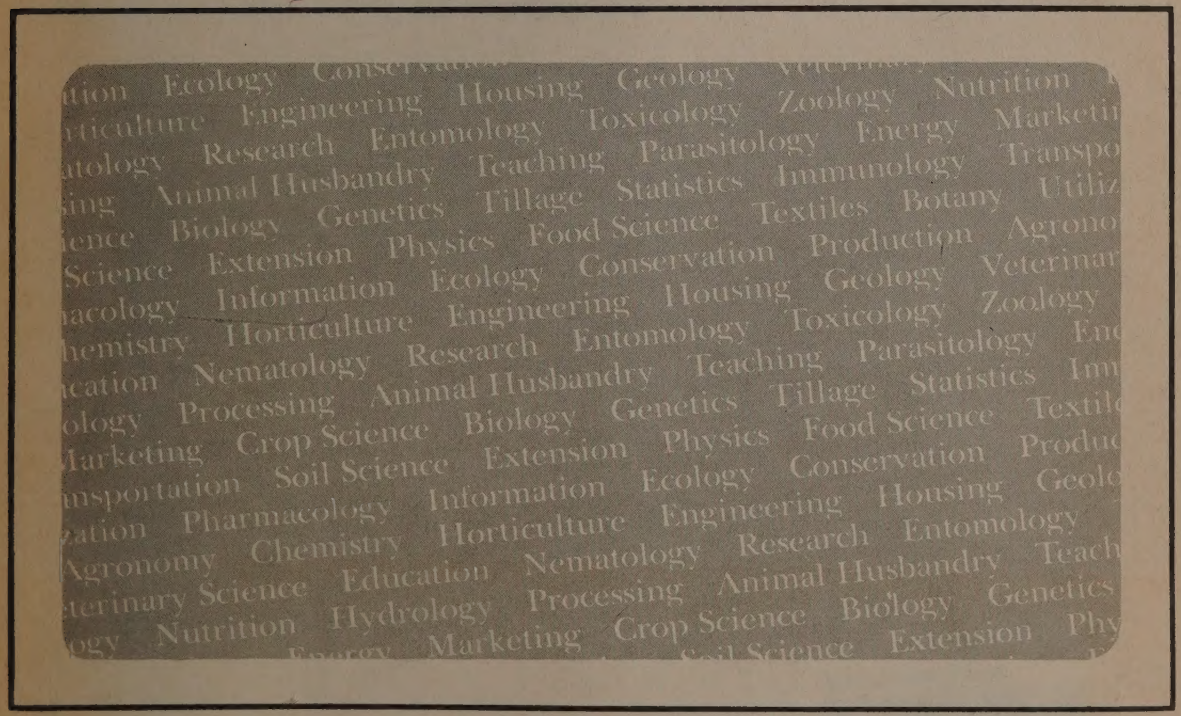
ISSN 0193-3779

A Bibliography of the Sugarcane Borer, *Diatraea saccharalis* (Fabricius), 1887-1980


Ecology
Engineering Housing Geology
Research Entomology Toxicology Zoology Nutrition
Animal Husbandry Teaching Parasitology Energy
Biology Genetics Tillage Statistics Immunology
Extension Physics Food Science Textiles Botany
Information Ecology Conservation Production
Horticulture Engineering Housing Geology
Nematology Research Entomology Toxicology Zoology
Processing Animal Husbandry Teaching Parasitology
Crop Science Biology Genetics Tillage Statistics
Soil Science Extension Physics Food Science
Pharmacology Information Ecology Conservation
Chemistry Horticulture Engineering Housing
Education Nematology Research Entomology
Hydrology Processing Animal Husbandry
Nutrition Marketing Crop Science Biology Genetics
Soil Science Extension

U.S. Department of Agriculture
Agricultural Research Service
Agricultural Reviews and Manuals • ARM-S-20/November 1981

ROE

CABI BIOSCIENCE
EGHAM LIBRARY
12 MAR 2009
Egham books ROE

A Bibliography of the Sugarcane Borer, *Diatraea saccharalis* (Fabricius), 1887-1980

By Richard M. Roe, A. M. Hammond, Jr., T. E. Reagan, and S. D. Hensley

CAB INTERNATIONAL
00717040

U.S. Department of Agriculture
Agricultural Research Service
Agricultural Reviews and Manuals • ARM-S-20/November 1981

A special thanks is due to the senior author's wife, Janet R. Roe, for her assistance in compiling the bibliography, typing the subject table, and initial proofing of the manuscript.

This publication is available from the U.S. Sugarcane Field Research Laboratory, P.O. Box 470, Houma, La. 70361.

On June 17, 1981, the Secretary of Agriculture abolished the Science and Education Administration, formerly the publisher of this series, and re-established the four agencies (Agricultural Research Service, Cooperative State Research Service, Extension Service, and National Agricultural Library) out of which SEA had been organized in 1978. This series will continue under the imprint of the Agricultural Research Service (Southern Region).

Agricultural Research Service, Agricultural Reviews and Manuals, Southern Series, No. 20, November 1981.

Published by Agricultural Research Service (Southern Region), U.S. Department of Agriculture, P.O. Box 53326, New Orleans, La. 70153.

CONTENTS

	Page
Abstract	1
Introduction	1
Bibliography	3
Author index	92
References grouped by subject and by period of publication	98

A Bibliography of the Sugarcane Borer, *Diatraea saccharalis* (Fabricius), 1887–1980

By Richard M. Roe,[1] A. M. Hammond, Jr.,[1] T. E. Reagan,[1] and S. D. Hensley[2]

ABSTRACT

The bibliography contains 1,193 citations taken from 10 standard bibliographic sources and from personal communications and references cited in articles. All articles indexed in the sources under *D. saccharalis* and most of its synonyms are included. Author, subject, and chronological indexes are included. Index terms: bibliographies, *Diatraea saccharalis* (Fabricius), sugarcane borer.

INTRODUCTION

Distribution and host plants.—The sugarcane borer, *Diatraea saccharalis* (Fabricius),[3] occurs in all agroecosystems of the Western Hemisphere where sugarcane (the interspecific hybrids of *Saccharum officinarum* L.) is grown (Williams et al. 1969). Other important cultivated hosts include maize, *Zea mays* L.; sorghum, *Sorghum bicolor* (L.) Moench; and rice, *Oryza sativa* L. Areawide populations of *D. saccharalis* are higher and suppression of the pest is more difficult when one or more of these crops are cultured in the same ecosystem with sugarcane. The sugarcane borer also develops in several large-stemmed wild grasses, particularly when these occur as weeds within or near fields of sugarcane or other cultivated hosts (Holloway et al. 1928 and Hensley 1971).

Biology and damage to sugarcane.—The egg masses of *D. saccharalis* are deposited on sugarcane leaves, and the young larvae migrate to and feed in the plant spindles or leaf sheaths until half-grown; they then tunnel into the internodes, complete development, and pupate. The moths exit the stalks through the tunnels constructed by the larvae. There are at least five larval stages, and the life cycle from egg to adult is completed in 30 to 40 days (Hensley 1971).

Four or five generations of *D. saccharalis* occur each year in Louisiana sugarcane fields (Hensley 1971); more occur in warmer tropical climates where perennial growth of sugarcane is not interrupted annually by cold temperatures. During the fall in Louisiana, large larvae enter a state of arrested development termed diapause and overwinter above ground in crop residues or below ground in sugarcane stubs and seed pieces. Diapause of *D. saccharalis* is not known to occur in the tropical ecosystems of Latin America.

The sugarcane borer damages sugarcane by tunneling in the internodes, which reduces tonnage and sucrose quality, stunts growth, weakens stalks, increases the likelihood of lodging and breakage, kills terminal buds and causes

[1]Graduate assistant, professor, and associate professor, Department of Entomology, Louisiana Agricultural Experiment Station, Louisiana State University, Baton Rouge, La. 70803.

[2]Research leader for sugarcane pests, U.S. Sugarcane Field Research Laboratory, Agricultural Research Service, U.S. Department of Agriculture, P.O. Box 470, Houma, La. 70361.

[3]Lepidoptera:Pyralidae.

suckering, destroys some vegetative buds (eyes) of seed cane, and increases the susceptibility of the cane to pathogens. Reduction in stalk weight is the most significant damage in Louisiana (Long and Hensley 1972). Invasion by stalk-rot pathogens through larval tunnels, particularly infection by the red rot fungus, *Physalospora tucumanensis* Speg., is believed to be more important in several Latin American countries.

Pest status.—*D. saccharalis* has long been considered to be the most destructive pest attacking sugarcane in the Western Hemisphere (Williams et al. 1969). Yield losses average about 13% annually in Louisiana when seasonal infestations are not maintained below the economic threshold of damage (Long et al. 1960 and Pollet et al. 1978). *D. saccharalis* is also a serious pest of maize and sorghum in the Gulf Coast region of the United States and several Latin American countries, especially when these crops are cultured in the same ecosystem with sugarcane.

Suppression.—Biological control, especially the introduction or augmentation of larval and egg parasites, is the most common method of suppressing *D. saccharalis* in the Latin American countries (Williams et al. 1969). In Louisiana a combination of cultivar resistance, cultural practices, and conservation of arthropod predators has been successful in suppressing the pest (Hensley 1971, Long and Hensley 1972, and Solomon 1973). Insecticides are applied, but only for quick reduction of economically damaging infestations that are not controlled by the other suppressive measures.

Bibliographic sources and synonymy.—To our knowledge, no previous attempt has been made to locate and organize the extensive, diverse literature on *D. saccharalis,* to make it accessible to research and extension workers. Entries for this bibliography were obtained from the following sources: Bibliography of Agriculture (1942, Vol. 1, through 1980, Vol. 44, Nos. 3-4), Biological Abstracts (1926, Vol. 1, through 1980, Vol. 70, No. 12), Biological Abstracts/RRM (1965, Vol. 1, through 1980, Vol. 19, No. 5), Commonwealth Agricultural Bureaux Abstracts (through 1979), Conference Papers Index (through 1979), Comprehensive Dissertation Index (1861-1978), Monthly Catalog of United States Government Publications (1895 through October 1980), Review of Applied Entomology, Series A (1913, Vol. 1, through 1980, Vol. 68, No. 10), Scisearch (through 1979), the Zoological Record (1887, Vol. 24, through 1975, Vol. 112), and personal communications and references cited in articles. The bibliographic source for each article, with the exception of personal communications and references cited in other articles, is given in brackets at the end of the entry. The abbreviations used are consistent with the bibliographic source from which the article was taken.

The bibliography contains all articles from the above sources that were indexed by the following species names in the genus *Diatraea* (synonyms for *Diatraea saccharalis,* Box 1931): *incomparella, obliteratella, pedidocta, saccharalis, saccharalis crambidoides, saccharalis grenadensis, saccharalis obliteratellus, saccharalis saccharalis, sacchari,* and *sacchari brasiliensis.* The bibliography does not include the following synonyms for *D. saccharalis: Chilo obliteratellus, Crambus leucaniellus, Crambus lineosellus, Crambus sacchari, Diatraetria saccharalis,* and *Phalaena saccharalis* (most if not all of these synonyms predate 1887). For a complete listing of taxonomic references to *D. saccharalis* and its synonyms, see Dyar and Heinrich (1927) and Box (1931). Prior to 1911, all references to *D. saccharalis* included the southern corn stalk borer, *D. crambidoides* (Grote), the southwestern corn borer, *D. grandiosella* Dyar, and the sugarcane borer, *D. saccharalis* (F.) (Rolston 1955). In 1911, Dyar made the southern corn stalk borer a separate species. By 1927, Dyar and Heinrich had cleared up much of the confusion concerning the identity of the species in *Diatraea.* Hence, references to *D. saccharalis* prior to 1927 should be reviewed critically.

Organization.—Citations are listed alphabetically by author (last names only), then by publication date, and, if required, alphabetically by title of article and title of journal or book. Unsigned articles are alphabetized under "anonymous" in the bibliography; in the author index they are alphabetized under the agency responsible for the article. The subject table following the author index is a general guide to the information in the entries. Articles are assigned to categories within the subject grid by the year of publication and by the subjects in the abstract, when available, or in the article title.

BIBLIOGRAPHY

1. Abarca, M., A. Cortés Iturbe and S. Flores Caceres. 1958. The sugarcane borers in Mexico. An attempt to control them through parasites. Proc. 10th intl. Cong. Entomol. 4:827-34. [Rev. Appl. Entomol. 48:337.]

2. Ables, J. R., B. G. Reeves, R. K. Morrison, R. E. Kinzer, S. L. Jones, R. L. Ridgway and D. L. Bull. 1979. Methods for the field release of insect parasites and predators. Trans. ASAE. 22(1): 59-62. [CAB Abstr.]

3. Aburto V., H. 1942. Biological control of insects by means of predators. Fitófilo. 1(4):3-11. [Rev. Appl. Entomol. 35:387.]

4. Agarwal, R. A. 1963. Diatraea saccharalis (Fabr.) and some related Pyralid stem borers in Louisiana. Dissertation. La. State Univ., Baton Rouge. 115 pp. [Diss. Abst. 24(6):2623-4.]

5. Agarwal, R. A. 1969. Morphological characteristics of sugarcane and insect resistance. Entomol. exp. appl. 12:767-76. [Rev. Appl. Entomol. 59:770.]

6. Agarwal, R. A. and J. P. Chaudhry. 1966. Larval pinaculi as an identifying character of crambids with special reference to sugarcane borers. Indian J. Res. 3:301-12.

7. Agarwal, S. B. D., S. K. Prasad and R. N. Prasad. 1954. Studies on Stenobracon deesae Cam.--a larval parasite of sugarcane borers. Indian Sci. Cong. Assoc. Proc. 41(3, abs.):263. [Bibl. Agric. 21:49981.]

8. Aguilar, J. d' and J. Bonfils. 1962. Entomological problems concerning sugar-cane in the French Antilles. Agron. trop. 17(7-8): 556-75. [Rev. Appl. Entomol. 51: 513.]

9. Ainslie, G. G. 1914. The larger corn-stalk borer. U.S. Dep. Agric. Farmers' Bull. 634. 8 pp. [Rev. Appl. Entomol. 3:184.]

10. Ainslie, G. G. 1916. Notes on Crambids. J. Econ. Entomol. 9(1): 115-9. [Rev. Appl. Entomol. 4: 192.]

11. Alam, M. M. and J. C. Hudson. 1969. Fluctuations in the population of Diatraea saccharalis (F.) in Barbados. Results of light trapping. Proc. 1969 Meeting West Indies Sugar Tech., Trinidad, 17-21 Nov. 1969. pp. 193-8. [Rev. Appl. Entomol. 60:1445.]

12. Alam, M. M., F. D. Bennet and K. P. Carl. 1971. Biological control of Diatraea saccharalis (F.) in Barbados by Apanteles flavipes Cam. and Lixophaga diatraeae T. T. Entomophaga. 16(2):151-8.

13. Al-Badry, M. S. 1973. Evaluation of Bacillus thuringiensis Berliner for control of the sugarcane borer Diatraea saccharalis (F.). Thesis. La. State Univ., Baton Rouge. 55 pp.

14. Al-Badry, M. S. and S. D. Hensley. 1974. Comparison of Bacillus thuringiensis Berliner and Azinphosmethyl for control of the sugarcane borer Diatraea saccharalis (F.). Proc. I.S.S.C.T. 15: 526-31.

15. Aldrich, J. M. 1924. Notes on North American Tachinidae. Insecutor Inscitiae Menstruus. 12(10-12):145-9. [Rev. Appl. Entomol. 12:587.]

16. Aldrich, J. M. 1929. Notes on the synonymy of Diptera, No. 3. Proc. Entomol. Soc. Wash. 31(2): 32-6. [Rev. Appl. Entomol. 17:311.]

17. Aldrich, J. M. 1932. New Diptera, or two-winged flies, from America, Asia, and Java, with additional notes. Proc. U.S. Nat. Mus. 81: art. 9, no. 2932, pp. 1-28, 1 pl. [Rev. Appl. Entomol. 20:568.]

18. Aldrich, J. M. 1933. Two reared species of Tachinidae from South America. Proc. Entomol. Soc. Wash. 35(8):170-3. [Rev. Appl. Entomol. 22:107.]

19. Alfonso, F. 1976. Sources of infection and ways of penetration of Colletotrichum falcatum Went in sugarcane in Cuba. Revista de Agricultura, Cuba. 9:65-9. [CAB Abst.]

20. Allder, C. T. 1922. Insects and diseases. 4e Rapport Stn. Agron. Guadeloupe, 1921-22. pp. 18-9. [Rev. Appl. Entomol. 11:84.]

21. Allder, C. T. 1924. Insects and diseases. Cinquième Rapp. Stn. agron. Guadeloupe, 1922-23. pp. 16-7. [Rev. Appl. Entomol. 12:250.]

22. Álvarez, L. 1970. Contribution on the bionomics of the sugar-cane borer (Diatraea saccharalis (Fabr.)) (Lepidoptera:Crambidae). Ciencias. 4(Ciencias Biológicas) (13):34 pp. [Rev. Appl. Entomol. 62:2309.]

23. Alvarez, J. and G. Kidder. 1979. Economic thresholds for sugar cane borer populations in Florida. Sugar y Azucar. 74(6):70. [Sci-search.]

24. Amaral, S. F. do and H. V. Arruda. 1964. Degree of susceptibility of 15 varieties of sugarcane to Diatraea saccharalis (F.). Sao Paulo. Inst. Biol. Arq. 31(3):79-83. [Bibl. Agric. 29:73806.]

25. Amargos, J. L. 1945. The breeding of the adult cuban fly which is of great interest to farmers and plantation managers. Agronomía [Habana]. 5:145-7. [Bibl. Agric. 7:23222.]

26. Amargós, J. L. 1945. A luxury that cost 18 million pesos. Agronomía [Habana]. 5:165-7. [Bibl. Agric. 7:28168.]

27. Anderson, H. L. 1964. Effects of insecticides and mechanical injury on sugarcane growth. Thesis. La. State Univ., Baton Rouge. 56 pp.

28. Angeles, N. J. and P. P. Paredes. 1960. The Amazon fly (Metagonistylum minense Towns.) in the region of Ureña, Táchira State. Agron. trop. 10(3):125-8. [Rev. Appl. Entomol. 51:606.]

29. Angeles, N., W. Szumkowski and P. P. Paredes. 1960. Diatraea saccharalis (F.), a pest of rice in Venezuela. Agron. trop. 9(4): 127-32. [Rev. Appl. Entomol. 49: 487.]

30. Annand, P. N. 1942. Report of the chief of the bureau of entomology and plant quarantine, 1942. U.S. Dep. Agric., Washington, D.C. 60 pp. [Rev. Appl. Entomol. 31:464-8.]

31. Annand, P. N. 1944. Report of the chief of the bureau of entomology and plant quarantine, agricultural research administration, 1943. U.S. Dep. Agric., Washington, D.C. 58 pp. [Rev. Appl. Entomol. 33:258-61.]

32. Annand, P. N. 1945. Report of the chief of the bureau of entomology and plant quarantine, agricultural research administration, 1944. U.S. Dep. Agric., Washington, D.C. 56 pp. [Rev. Appl. Entomol. 34:175-9.]

33. Annand, P. N. 1946. Report of the chief of the bureau of entomology and plant quarantine, agricultural research administration, 1945. U.S. Dep. Agric., Washington, D.C. 63 pp. [Rev. Appl. Entomol. 37:103-7.]

34. Annand, P. N. 1947. Report of the chief of the bureau of entomology and plant quarantine, agricultural research administration, 1946. U.S. Dep. Agric., Washington, D.C. 63 pp. [Rev. Appl. Entomol. 37:103-7.]

35. Anonymous. 1913. Sugar-cane pests in British Guiana. Agric. News, Barbados. pp. 226, 282. [Rev. Appl. Entomol. 2:57-8.]

36. Anonymous. 1913. Work connected with insect and fungus pests and their control. Rep. Bot. Stn. Exp. Plots, Antigua, 1911-12, Barbados. pp. 22-3. [Rev. Appl. Entomol. 1: 263.]

37. Anonymous. 1916. Pests of sugar-cane in British Guiana. Agric. News, Barbados. 15(382-3):410-1, 426-7. [Rev. Appl. Entomol. 5: 148-9.]

38. Anonymous. 1916. The sugar-cane borer. Revista Agricola, Bogotá. 2(12):728-9. [Rev. Appl. Entomol. 5:291.]

39. Anonymous. 1917. Insect pests in Barbados in 1915-16. Agric. News, Barbados. 16(393):154. [Rev. Appl. Entomol.5:365.]

40. Anonymous. 1917. Insect pests and diseases. Rep. Agric. Dep., Grenada, 1916-17, Barbados. pp. 12-3. [Rev. Appl. Entomol. 6:32-3.]

41. Anonymous. 1917. Insect pests in the West Indies in 1916. Agric. News, Barbados. 16(392):138-9. [Rev. Appl. Entomol. 5:330-1.]

42. Anonymous. 1920. Insect pests and plant diseases. Rep. Agric. Dep., Grenada, April-Dec. 1919, Barbados. pp. 6-7. [Rev. Appl. Entomol. 9:59.]

43. Anonymous. 1920. Report of the agricultural department, Antigua, 1918-19. Imp. Dep. Agric. West Indies, Barbados. pp. 15-8. [Rev. Appl. Entomol. 8:296.]

44. Anonymous. 1920. Special entomological and mycological investigation and work connected with insect and fungus pests and their control. Rep. Dep. Agric. St. Vincent, 1918-19, Barbados. pp. 13-8. [Rev. Appl. Entomol. 8:205-6.]

45. Anonymous. 1921. Work in connection with insect and fungus pests and their control. Rep. Agric. Dep., Antigua, 1919-20, Barbados. pp. 11-2. [Rev. Appl. Entomol. 10:58.]

46. Anonymous. 1922. Insect pests and plant diseases. Rep. Agric. Dep., Grenada, 1921, Barbados. pp. 4-5. [Rev. Appl. Entomol. 10:453.]

47. Anonymous. 1922. Work connected with insect and fungus pests and their control. Rep. Agric. Dep., St. Vincent, 1921. pp. 15-25. [Rev. Appl. Entomol. 11:162-3.]

48. Anonymous. 1923. Departmental activities: entomology. J. Dep. Agric. Union South Africa. 7(5): 388-91. [Rev. Appl. Entomol. 12: 37-8.]

49. Anonymous. 1922/24. Work in connection with insect and fungus pests and their control. Rep. Agric. Dep. Antigua, 1921-22 & 1922-23. pp. 9-10, 7-8. [Rev. Appl. Entomol. 13: 346-7.]

50. Anonymous. 1924. Insect pests and plant diseases. Rep. Agric. Dep. Grenada 1923. p. 3. [Rev. Appl. Entomol. 12:527.]

51. Anonymous. 1924. Report of the division of entomology, fiscal year 1923-1924. Ann. Rep. Insular Exp. Stn., Rio Piedras, Porto Rico, 1923-24. pp. 88-103. [Rev. Appl. Entomol. 13:134-5.]

52. Anonymous. 1924. Work connected with insect and fungus pests and their control. Rep. Agric. Dep. St. Vincent 1923. pp. 23-9. [Rev. Appl. Entomol. 13:22-3.]

53. Anonymous. 1925. The chief insect pests of vegetables. Minist. Agric. Argentina Circ. 461. 28 pp. [Rev. Appl. Entomol. 13:440.]

54. Anonymous. 1925. Two bureaus cooperate in estimating loss due to sugar cane moth borers. U.S. Dep. Agric. Bur. Agric. Econ. 1 p. [Rev. Appl. Entomol. 13:263.]

55. Anonymous. 1925. Work in connection with insect and fungus pests and their control. Rep. Agric. Dep. St. Kitts-Nevis, 1923-24. pp. 5-6, 33. [Rev. Appl. Entomol. 13:493.]

56. Anonymous. 1926. Insect attacks reported or observed. Rep. Dep. Agric. Barbados. p. 9. [Biol. Abstr. 2:11738.]

57. Anonymous. 1927. Insect pests of sugar cane (including utilization of parasites). Proc. I.S.S.C.T. 2: 57-62. [Rev. Appl. Entomol. 17: 464.]

58. Anonymous. 1927. Summary for 1927. U.S. Dep. Agric. Insect Pest Surv. Bull. 7(10):379-99. [Rev. Appl. Entomol. 16:322.]

59. Anonymous. 1929. Report of the division of entomology. Ann. Rep. Porto Rico Insular Exp. Stn. Rio Piedras. pp. 89-98. [Rev. Appl. Entomol. 18:165.]

60. Anonymous. 1931. Report of the agricultural experiment station, Dutch Guiana, for 1928-1930. Paramaribo, Dep. Landbouwproefst. Suriname. 83 pp. [Rev. Appl. Entomol. 20:181.]

61. Anonymous. 1932. Entomological investigations. Admin. Rep. Dir. Agric. British Guiana 1931. p. 27. [Rev. Appl. Entomol. 20:707.]

62. Anonymous. 1933. Work connected with insect and fungus pests and their control. Rep. Agric. Dep. St. Kitts-Nevis 1932. pp. 2-3, 29. [Rev. Appl. Entomol. 21:647.]

63. Anonymous. 1934. Work connected with insect and fungus pests and their control. Rep. agric. Dep. St. Kitts-Nevis 1933. pp. 2-3, 38-9. [Rev. Appl. Entomol. 22:621-2.]

64. Anonymous. 1935. Saint Vincent. A proclamation. The plant protection ordinance, 1935. St. Vincent Govt. Gaz. 68(45):249-50. [Rev. Appl. Entomol. 24:118.]

65. Anonymous. 1937. Biennial report of the rice experiment station, Crowley, Louisiana 1935-36. Baton Rouge, La. 19 pp. [Rev. Appl. Entomol. 26:218.]

Anonymous. 1938. Annual report of he agricultural experiment station niversity of Puerto Rico) for the al year 1936-1937. S. Juan, to Rico. 167 pp. [Rev. Appl. ol. 27:434-6.]

67. Anonymous. 1938. Report of the agricultural department, St. Vincent, 1937. Kingstown, St. Vincent. 43 pp. [Rev. Appl. Entomol. 27:271-2.]

68. Anonymous. 1938. Report of the Puerto Rico experiment station 1937. Washington, D.C. 115 pp. [Rev. Appl. Entomol. 27:501-3.]

69. Anonymous. 1939. Report of the Puerto Rico experiment station 1938. Washington, D.C. 137 pp. [Rev. Appl. Entomol. 28:492-5.]

70. Anonymous. 1940. Pests and diseases. Rep. Dep. Agric. St. Lucia 1939. pp. 25-8. [Rev. Appl. Entomol. 29:262-3.]

71. Anonymous. 1940. Report of the agricultural experiment station at La Molina for the year 1939. Mem. Estac. exp. agric. Minist. Fom. Peru 12. 371 pp. [Rev. Appl. Entomol. 29:509-11.]

72. Anonymous. 1940. Report of the Puerto Rico experiment station, 1939. Washington, D.C. 126 pp. [Rev. Appl. Entomol. 29:469-73.]

73. Anonymous. 1939-41. University of Puerto Rico Agricultural Experiment Station. Annual report(s) for the fiscal year(s) 1937-38, 1938-39, 1939-40. S. Juan, Puerto Rico, 1939. Rio Piedras, Puerto Rico, 1940-41. 114 pp; 13:102 pp.; 7:66 pp. [Rev. Appl. Entomol. 30:292-4.]

74. Anonymous. 1941. Entomological section. Rep. Dep. Sci. Agric. Barbados 1939-40. pp. 9-10. [Rev. Appl. Entomol. 30:392-3.]

75. Anonymous. 1941. Summary for 1940. Insect Pest Surv. Bull. 20(10): 559-91. [Rev. Appl. Entomol. 30: 171-4.]

76. Anonymous. 1942. Contributions on economic insects. Proc. Assoc. S. Agric. Workers. 43:127-55. [Biol. Abstr. 17:25283.]

77. Anonymous. 1942. Entomological section. Rep. Dep. Sci. Agric. Barbados 1940-41. pp. 10-2. [Rev. Appl. Entomol. 31:118.]

78. Anonymous. 1942. Report of the agricultural experiment station at La Molina for the year 1941. Lima, Minist. Fom. Peru. 276 pp. [Rev. Appl. Entomol. 32:428-30.]

79. Anonymous. 1942. Summary for 1941. Insect Pest Surv. Bull. 21(10): 795-816. [Rev. Appl. Entomol. 30: 594.]

80. Anonymous. 1943. Biennial report of the University of Puerto Rico agricultural experiment station for the fiscal years 1941 and 1942. Rio Piedras, Puerto Rico. 105 pp. [Rev. Appl. Entomol. 33:97.]

81. Anonymous. 1944. Entomology and economic zoology. Rep. Puerto Rico Exp. Stn. 1943. pp. 21-4. [Rev. Appl. Entomol. 33:312-3.]

82. Anonymous. 1944. University of Puerto Rico agricultural experiment station. Annual report for the fiscal year 1942-43. Rio Piedras, Puerto Rico. 59 pp. [Rev. Appl. Entomol. 34:31-2.]

83. Anonymous. 1945. Insect pest control. Rep. Dep. Sci. Agric. Barbados 1943-44. pp. 5-7. [Rev. Appl. Entomol. 34:159.]

84. Anonymous. 1945. Insect pest control. Rep. Dep. Sci. Agric. Barbados 1944-45. pp. 14-5. [Rev. Appl. Entomol. 35:22-3.]

85. Anonymous. 1946. Recommendations for control of borer by dusting with cryolite. Sugar Bull. 24(15): 116-8. [Biol. Abstr. 21:15786.]

86. Anonymous. 1946. Report of the federal experiment station in Puerto Rico, 1945. Washington, D.C. 62 pp. [Rev. Appl. Entomol. 36: 51-5.]

87. Anonymous. 1959. Outbreaks and new records. FAO Plant Prot. Bull. 7(8):115. [Rev. Appl. Entomol. 47: 450.]

88. Anonymous. 1960. The sugarcane borer how to control it. U.S. Dep. Agric. Leafl. 479. 8 pp.

89. Anonymous. 1969. Control of infestations. Serv. Shell Agric. 32:36-61. [Biores. Index 6:71223.]

90. Anonymous. 1969. Outbreaks and new records. Pl. Prot. Bull. F.A.O. 17(5):114-8. [Rev. Appl. Entomol. 58:838.]

91. Anonymous. 1975. Attacking the sugarcane borer. Agric. Res. 24 (2):3-5. [Bibl. Agric. 39:224629.]

92. Anonymous. 1976. Attacking sugarcane borer. World Farming. 18(1): 4-6. [Scisearch.]

93. Anonymous. 1977. Annual report 1976. Publicación Miscelánea, Estación Experimental Agrícola de Tucumán 62. 115 pp. Estación Experimental Agrícola de Tucumán, Casilla de Correo 71, San Miguel de Tucumán, Argentina. [Rev. Appl. Entomol. 66:6023.]

94. App, B. A. 1942. A report of some investigations on the corn insects of Puerto Rico. J. Agric. Univ. Puerto Rico. 25(4):21-31. [Rev. Appl. Entomol. 31:53-4.]

95. Araujo, F. E., R. D. Cavalcante, M. L. S. Cavalcante and Q. M. S. Melo. 1977. Polybia sericea Olivier, 1791 (Hym. Vespidae), a predator of Diatraea saccharalis Fabr. (Lep. Crambidae), in Ceará. Fitossanidade. 2(2):59. [Rev. Appl. Entomol. 66: 4313.]

96. Arbuthnot, K. D. 1958. Endrin and Ryania for control of sugarcane borer in corn. J. Econ. Entomol. 51(4):562-3.

97. Arbuthnot, K. D. and J. S. Rogers. 1957. Resistance of corn to the sugarcane borer. South. Corn Impr. Conf. Rep. 13:8-9. [Bibl. Agric. 23:33091.]

98. Averna-Saccá, R. 1926/27. On the presence of a Protozoan in the tissues of sugar-cane attacked by mosaic. Bol. Agric. 27(6-7, 8-9, 10, 11-2):183-204, 252-73, 303-19, 388-98. 28(2-3):173-82. [Rev. Appl. Entomol. 16:606-7.]

99. Azzi, G. M. 1976. Importance of present entomological investigations in view of sugarcane improvement in Brazil. Bras. Acucar. 87(3):8-12. [Bibl. Agric. 41: 036832.]

100. Babayan, G. A. and A. Fuentes Azcuy. 1974. Experiment on the use of thiophosphamide for the control of Diatraea saccharalis Fab. Revista de Agricultura, Cuba. 7(2):50-5. [Rev. Appl. Entomol. 65:598.]

101. Babayan, G. A., A. A. Fuentes and R. C. Alvares. 1975. New data on the biology of sugar-cane moth borer Diatraea saccharalis (Fabricius) (Lepidoptera, Crambidae) and its parasite Trichogramma fasciatum (Parkins) (Hymenoptera, Trichogrammatidae). VIII Intl. Plant Protection Cong., Moscow 1975. Reports and informations, Section V. Biol. genetic control. pp. 16-23. [Rev. Appl. Entomol. 65:964.]

102. Ballou, H. A. 1913. Report on the prevalence of some pests and diseases in the West Indies during 1912. West. Ind. Bull., Barbados. 13(4):333-57. [Rev. Appl. Entomol. 2:86-8.]

103. Ballou, H. A. 1915. Report on the prevalence of some pests and diseases in the West Indies during 1914. Part I. Insect Pests. West Indian Bull., Barbados. 15(2):121-47. [Rev. Appl. Entomol. 4:43.]

104. Ballou, H. A. 1916. Report on the prevalence of some pests and diseases in the West Indies during 1915, part I, insect pests. West Indian Bull., Barbados. 16(1):1-30. [Rev. Appl. Entomol. 5:109.]

105. Ballou, H. A. 1919. Insect pests in British Guiana. Agric. News, Barbados. 18(457):346-7. [Rev. Appl. Entomol. 8:41-2.]

106. Bangdiwala, I. S. and L. F. Martorell. 1953. Correlation between stalk and joint infestation by sugarcane moth-borer, Diatraea saccharalis Fabricius. Proc. I.S.S.C.T. 8:593-601.

107. Bangdiwala, I.S., L. F. Martorell, S. Medina-Gaud and A. C. Miret. 1965. Further studies in correlation between stalk and joint infestation by sugarcane moth-borer, Diatraea saccharalis (Fabricius) in Puerto Rico. Proc. I.S.S.C.T. 12: 1373-82. [Rev. Appl. Entomol. 58: 2574.]

108. Barber, T. C. 1911. Damage to sugar cane in Louisiana by the sugarcane borer. U.S. Dep. Agric. Bur. Entomol. Circ. 139. 12 pp.

109. Barreto, B. T. 1922. The sugarcane borer. Rev. Agric. Com. y Trabajo. 5(2):17-8. [Rev. Appl. Entomol. 11: 229.]

110. Barreto, R. 1956. Loss of sucrose in cane damaged by the sugarcane borer, Diatraea saccharalis, Fab. Indus. Azucarera. 62: 359-61. [Bibl. Agric. 20:95937.]

111. Bartlett, K. A. 1938. The second introduction of the Amazon fly from British Guiana into Puerto Rico. Agric. Notes Puerto Rico Exp. Stn. 86. 4pp. [Rev. Appl. Entomol. 28:94.

112. Bartlett, K. A. 1940. The collection of parasites of the sugarcane borer, Diatraea saccharalis, in São Paulo, Brazil. Proc. 6th Pacif. Sci. Congr. 1939. 4:335-8. [Rev. Appl. Entomol. 31:312.]

113. Bartlett, K. A. 1941. The biology of Metagonistylum minense Tns., a parasite of the sugarcane borer. U.S. Dep. Agric. Puerto Rico Exp. Stn. Bull. 40. 20 pp.

114. Bartlett, K. A. 1945. Insect parasites and predators. Rep. Fed. Exp. Stn. Puerto Rico, 1944. Washington, D.C. pp. 27-8. [Rev. App. Entomol. 34:219.]

115. Bartlett, K. A. and H. K. Plank. 1941-43. Entomological investigations and biological control. Rep. Puerto Rico Exp. Stn. 1940 pp. 65-85; 1941 pp. 19-23; 1942 pp. 12-7. [Rev. Appl. Entomol. 32:341-6.]

116. Bates, J. F. 1956. The status of moth borer in British Guiana. Proc. Mtg. Brit. W. Ind. Sug. Tech. Trinidad 1954. pp. 126-36. [Rev. Appl. Entomol. 46:356.]

117. Bates, J. F. 1965. Pest control in sugarcane in the Americas. Proc. I.S.S.C.T. 12:1270-7. [Rev. Appl. Entomol. 58:2564.]

118. Beauchamp, C. E. 1946. Sugar production losses by the sugarcane borer. Inst. Cubano de Sueles Abonos. B. 5:845-9. [Bibl. Agric. 10:17025.]

119. Beauchamp, C. E. 1950. Control of the sugarcane borer by the Cuban fly, Lixophaga diatraeae. Inst. Cubano de Suelos y Abonos. Inform. Téc. B.8(3):1151-61. [Bibl. Agric. 15:38833.]

120. Beg, M. N. and F. D. Bennett. 1974. Natural immunity of Diatraea centrella to Paratheresia claripalpis and Metagonistylum minense. Proc. I.S.S.C.T. 15:411-22. [Rev. Appl. Entomol. 64:253.]

121. Beland, G. L. and E. G. King. 1976. Southwestern corn borer: suitability of larval stages for development of the Tachinid parasite, Lixophaga diatraeae. Environ. Entomol. 5(3): 421-6. [Rev. Appl. Entomol. 65: 1948.]

122. Benjamin, F. H. 1922. Sugar cane moth borer in Mississippi. Qtrly. Bull. State Plant Bd. Mississippi, Agric. Coll., Miss. 1(4):4-6. [Rev. Appl. Entomol. 10:328.]

123. Bennett, F. D. 1962. An assessment of the damage caused by Diatraea spp. in Grenada, April 1961. Tech. Bull. Commonw. Inst. biol. Contr. 2. pp. 87-100. [Rev. Appl. Entomol. 51:279-80.]

124. Bennett, F. D. 1966. Preliminary studies with Jaynesleskia jaynesi Aldrich, a potentially important Tachinid parasite of Diatraeae spp. Proc. 1966 meeting British West Indies Sugar Technologists, Georgetown, Guyana, 17-21 Oct. 1966. 1:309-10. [Rev. Appl. Entomol. 60:956.]

125. Bennett, F. D. 1971. Current status of biological control of the small moth borers of sugar cane Diatraea spp. (Lep. Pyralidae). Entomophaga. 16(1):111-24.

126. Bennett, F. D. 1971. Some recent successes in the field of biological control in the West Indies. Rev. Peruana Entomol. 14(2):369-73. [Rev. Appl. Entomol. 63:2483.]

127. Bennett, F. D. 1977. A comparison of the reproductive strategies and certain other biological characteristics of Apanteles spp. and the Tachinid parasites of Diatraea saccharalis (Fabr.). Proc. I.S.S.C.T. 16:523-7.

128. Bennett, F. D. and H. Pschorn-Walcher. 1968. Recent investigations on the biological control of Diatraea spp. in Trinidad, the Lesser Antilles and Barbados. Proc. I.S.S.C.T. 13:1321-30. [Rev. Appl. Entomol. 63:1289.]

129. Bennett, F. D. and F. J. Simmonds. 1966. Alternative laboratory hosts for Tachinid parasites of Diatraea. Proc. 1966 meeting British West Indies Sugar Technologists, Georgetown, Guyana, 17-21 Oct. 1966. 1:311-3. [Rev. Appl. Entomol. 60:957.]

130. Bennett, F. D. and F. A. Squire. 1972. Investigations on the biological control of some insect pests in Bolivia. PANS. 18(4):459-67. [Rev. Appl. Entomol. 61:1786.]

131. Bergamin, J. 1943. Laboratory methods for the observation and breeding of the sugar-cane borer, Diatraea saccharalis (Fabricius, 1794). Arq. Inst. biol. 14:351-4. [Rev. Appl. Entomol. 33:205.]

132. Bergamin, J. 1948. The sugarcane borer. Brasil Acucareiro. 32:493-8, 595-612. [Bibl. Agric. 13:46399.]

133. Bertels, A. 1970. Studies on the influence of humidity on the population dynamics of Lepidoptera that attack maize. Pesquisa Agropecuária Brasileira. 5:67-79. [Rev. Appl. Entomol. 61:211.]

134. Bertels, A. 1972. Control of maize pests in the field and in the warehouse - Rio Grande do Sul. Boletim Tecnico, Instituto de Pesquisas Agropecuárias do Sul 78. 126 pp. [Rev. Appl. Entomol. 63:2580.]

135. Bess, H. A. 1972. Lepidopterous stem borers in different rice growing areas. Mushi. 46(6):65-80. [Rev. Appl. Entomol. 64:1958.]

136. Bishopp, F. C. 1946. The insecticide situation. J. Econ. Entomol. 39(4):449-59. [Rev. Appl. Entomol. 36:12-4.]

137. Bocanegra, S. and J. E. Simon F. 1958. Results of a comparative test of insecticides against insects in maize for grain. Rev. peruana Entomol. agric. 1(1): 66-9. [Rev. Appl. Entomol. 49: 121.]

138. Bodkin, G. E. 1913. The egg parasite of the small sugar-cane borer. J. Board Agric., British Guiana, Demerara. 6(4):188-98. [Rev. Appl. Entomol. 1:319.]

139. Bodkin, G. E. 1913. Insects injurious to sugar-cane in British Guiana, and their natural enemies. J. Board Agric., British Guiana. 7(1):29-32. [Rev. Appl. Entomol. 1:521-2.]

140. Bodkin, G. E. 1914. Report of the economic biologist. Rep. Dep. Sci. Agric., British Guiana, 1913-14, Georgetown, Demerara. 11 pp. [Rev. Appl. Entomol. 3:590-1.]

141. Bodkin, G. E. 1914. Report of the economic biologist of British Guiana for 1912-1913. Georgetown, Demerara. 10 pp. [Rev. Appl. Entomol. 2:568-9.]

142. Bodkin, G. E. 1915. Report of the economic biologist. Rep. Dep. Sci. Agric., British Guiana, 1914-15, Georgetown. 11 pp. [Rev. Appl. Entomol. 4:359-60.]

143. Bodkin, G. E. 1916. Report of the economic biologist. Rep. Dep. Sci. Agric. British Guiana, for Nine Mons. ended 31 Dec. 1915, Georgetown. 10 pp. [Rev. Appl. Entomol. 5:169-70.]

144. Bodkin, G. E. 1917. Report of the economic biologist. British Guiana Dep. Sci. Agric., Rep. for Year 1916, Georgetown. 14 pp. [Rev. Appl. Entomol. 6:385-7.]

145. Bodkin, G. E. 1919. Notes on the Coleoptera of British Guiana. Entomologists' Mon. Mag., London. pp. 210-6. [Rev. Appl. Entomol. 7:484.]

146. Bodkin, G. E. 1919. Rice pests in British Guiana. J. Bd. Agric. British Guiana, Demerara. 12(4): 248-50. [Rev. Appl. Entomol. 8: 145.]

147. Bodkin, G. E. 1920. Report of the government economic biologist. Ann. Rep. Dep. Sci. Agric., 1919, Georgetown. Appx. 3:9 pp. [Rev. Appl. Entomol. 10:101-2.]

148. Bodkin, G. E. 1921. Some insect pests of British Guiana. J. Bd. Agric., British Guiana, Georgetown. 14(2):132-9. [Rev. Appl. Entomol. 9:382.]

149. Bodkin, G. E. 1922. Government economic biologist. Rep. Dep. Sci. Agric. British Guiana, 1920, Georgetown. Appx. 3:51-8. [Rev. Appl. Entomol. 10:561-2.]

150. Bonfils, J. and P. F. Galichet. 1974. Effects of repeated introductions of Lixophaga diatraeae (Diptera, Tachinidae) on natural populations of the parasite and its host, Diatraea saccharalis. Entomophaga. 19(1):67-73. [Rev. Appl. Entomol. 63:4637.]

151. Bordage, E. 1897. On two harmful Lepidoptera of sugarcane on the Mascarene islands. C. R. Ac. Paris. 125:1109. [Zool. Records 34:103.]

152. Botelho, P. S. M. 1978. Dispersion measure of Diatraea saccharalis (Fabr.). I.S.S.C.T. Entomol. Newsl. (4):5-6. [Rev. Appl. Entomol. 67:172.]

153. Botelho, P. S. M., N. Macedo and A. de C. Mendes. 1979. Population fluctuation and average density of Diatraea saccharalis (Fabr., 1794) in Araras, Sao Paulo. Bras. Acucar. 94, i.e. 93(2):11-9. [Bibl. Agric. 44:026380.]

154. Botelho, P. S. M., N. Macedo, A. C. Mendes and O. Nakano. 1979. Testing insecticides to control the sugarcane borer, Diatraea saccharalis (F., 1794). Bras. Acucar. 94, i.e. 93(1):6-16. [Bibl. Agric. 44:026381.]

155. Botelho, P. S. M., A. C. Mendes, N. Macedo and S. Silveira Neto. 1976. Comparative tests of traps for catching Diatraea saccharalis (Fabr., 1794) (Lepidoptera, Crambidae). Bras. Acucar. 88(1): 38-42. [Bibl. Agric. 41:039768.]

156. Botelho, P. S. M., A. de C. Mendes, N. Macedo and S. S. Neto. 1977. Influences of climatic factors on the population fluctuations of the sugarcane moth borer, Diatraea saccharalis (Fabr., 1794) (Lep. -- Crambidae). Proc. I.S.S.C.T. 16: 643-55.

157. Botelho, P. S. M., A. C. Mendes, N. Macedo and S. Silveira Neto. 1978. Calculation of the dispersion of the sugarcane borer, Diatraea saccharalis (Fabr., 1794). Bras. Acucar. 92(6):9-14. [Bibl. Agric. 43:101348.]

158. Bourne, B. A. 1921. Report of the assistant director of agriculture on the entomological and mycological work carried out during the season under review. Rep. Dep. Agric., 1919-20, Barbados. pp. 10-31. [Rev. Appl. Entomol. 9:322-3.]

159. Bourne, B. A. 1922. Report of the assistant director of agriculture on the entomological and mycological work carried out during the season under review. Rep. Dep. Agric., Barbados, 1921-22. pp. 9-16. [Rev. Appl. Entomol. 11:162.]

160. Bourne, B. A. 1923. Entomological and mycological work carried out during the season under review. Rep. Dep. Agric., Barbados, 1922-23. pp. 8-9. [Rev. Appl. Entomol. 12: 407.]

161. Bovell, J. R. 1921. Insect pests and fungoid diseases, etc. Rep. on the Dep. Agric., Barbados, 1918-19. pp. 22-7. [Rev. Appl. Entomol. 9: 456.]

162. Bovell, J. R. and J. P. d'Albuquerque. 1919. Parts i and ii. Manurial experiments with sugar cane. Barbados Dep. Agric. Rep. Sugar-Cane Exp., 1917-19. pp. 4-19. [Rev. Appl. Entomol. 8:72.]

163. Bowden, J. 1973. The significance of moonlight in photoperiodic responses of insects. Bull. Entomol. Res. 62(4):605-12. [Rev. Appl. Entomol. 61: 4342.]

164. Bowling, C. C. 1967. Insect pests of rice in the United States. Proc. Symp. Major Insect Pests Rice Plant, 14-18 September, 1964, Los Banos, Laguna, Philippines. Johns Hopkins Press, Baltimore. pp. 551-70. [Biol. Abstr. 49: 26631.]

165. Bowling, C. C. 1967. Rearing of two Lepidopterous pests of rice on a common artificial diet. Ann. Entomol. Soc. Am. 60(6):1215-6. [Rev. Appl. Entomol. 56:1383.]

166. Box, H. E. 1924. Report upon a trip to Porto Rico, April-July, 1924. Berbice, British Guiana, S. Davson & Co., Ltd. 8vo, 22 pp. [Rev. Appl. Entomol. 13:86.]

167. Box, H. E. 1926. Parasites of the sugar cane borer (Diatraea). J. Stn. Agron. Guadelope 6(2):106-12. Translated and abridged by Holman Williams from "The Reference Book of the Sugar Industry of the World." 4(4):106-12. [Biol. Abstr. 2:11843.]

168. Box, H. E. 1926. Sugar-cane moth borers (Diatraea spp.) in British Guiana. Bull. Entomol. Res. 16(pt. 3):249-66. [Rev. Appl. Entomol. 14:101-2.]

169. Box, H. E. 1927. Discovery of egg parasites of Diatraea saccharalis in Tucumán. Rev. Indus. y Agric. Tucumán. 18(1/2):5-8. [Biol. Abstr. 2:18132.]

170. Box, H. E. 1927. Eleventh report upon entomological work. Central Aguirre Sugar Co., Central Aguirre, Puerto Rico. 24 pp. [Rev. Appl. Entomol. 15:412-4.]

171. Box, H. E. 1927. The known parasites of the American species of Diatraea (Lepidoptera, Pyralidae). Rev. Indust. y Agric. de Tucumán. 18(5/6):53-61. [Biol. Abstr. 3: 14805.]

172. Box, H. E. 1927. The moth borer problem in Barbados. A discussion and a recommendation. Barbados:Dep. Sci. Agric. 5 pp. [Rev. Appl. Entomol. 15:430.]

173. Box, H. E. 1927. Plan for a co-operative international organization for parasite introductions. Proc. I.S.S.C.T. 2:76-8. [Biol. Abstr. 3:14806.]

174. Box, H. E. 1927. Preliminary notes on the discovery of some parasites of the eggs of Diatraea saccharalis in Tucumán. Rev. ind. agric. Tucumán. 18(1-2):5-8. [Rev. Appl. Entomol. 16:208.]

175. Box, H. E. 1927. The recorded parasites of the American species of Diatraea (Lepidoptera, Pyralidae). Rev. ind. agric. Tucumán. 18(5-6): 53-61. [Rev. Appl. Entomol. 16: 331.]

176. Box, H. E. 1927/28. Diatraea saccharalis and the P.O.J. canes: some observations and criticisms. Rev. Indust. y Agric. Tucumán. 18:108-15. [Biol. Abstr. 2: 18068.]

177. Box, H. E. 1928. Diatraea saccharalis and the P.O.J. Canes. Some observations and criticisms. Rev. ind. y agric. Tucumán. 18 (7-8):108-15. Translated in The Planter & Sugar Manuf., New Orleans, La., 3 March 1928, 4 pp. [Rev. Appl. Entomol. 16:404.]

178. Box, H. E. 1928. The introduction of Braconid parasites of Diatraea saccharalis, Fabr., into certain of the West Indian Islands. Bull. Entomol. Res. 18:365-70.

179. Box, H. E. 1928. Notes on the scientific determination of the common Dipterous parasite (Paratheresia signifera, Towns.) of Diatraea saccharalis, Fabr., in the provinces of North Argentina. Rev. ind. agric. Tucumán. 19(5-6): 132-3. [Rev. Appl. Entomol. 17: 424.]

180. Box, H. E. 1928. Observations upon Lixophaga diatraeae, Townsend, a Tachinid parasite of Diatraea saccharalis, Fabr., in Porto Rico. Bull. Entomol. Res. 19(1):1-6. [Rev. Appl. Entomol. 16:651.]

181. Box, H. E. 1928. Preliminary report upon the occurrence in Argentina of a species of Diatraea new to the American fauna. 3 pp. In Ref. Bk. Sugar Indust. World 1928. New Orleans, La. [Rev. Appl. Entomol. 17:24.]

182. Box, H. E. 1928. A project for the introduction into Louisiana of the Tucumán parasites of Diatraea saccharalis. Rev. ind. agric. Tucumán. 18(11-12):209-13. [Rev. Appl. Entomol. 16:682.]

183. Box, H. E. 1928. The recorded parasites of the American species of Diatraeae (Lepidoptera, Pyralidae). Bol. Estac. exp. agric. Tucumán. (5): 9 pp. [Rev. Appl. Entomol. 16:331.]

184. Box, H. E. 1928. Report for 1927 of the department of entomology of the Tucumán agricultural experiment station. Rev. ind. agric. 18(9-10): 162-72. [Rev. Appl. Entomol. 16: 603.]

185. Box, H. E. 1929. The effect on the individual composition of various canes in a plot of sugar-cane of infestation with the borer, Diatraea saccharalis, Fabr. Rev. ind. agric. Tucumán. 19(11-12): 291-315. [Rev. Appl. Entomol. 18: 12-3.]

186. Box, H. E. 1929. The examination of canes infected by the borer, Diatraea saccharalis. Rev. Industr. y Agric. Tucumán. 19(7/8):212-3. [Biol. Abstr. 4:9225.]

187. Box, H. E. 1929. On the identity of the common Dipterous parasite of the larva of Diatraea saccharalis, Fabr., in the northern provinces of Argentina. Bull. Entomol. Res. 20 (pt. 2):199-200. [Rev. Appl. Entomol. 17:656.]

188. Box, H. E. 1929. Observations on sugar-cane borers. A new pest of cane, the weevil borer. Rev. ind. agric. Tucumán. 19(11-12): 319-22. [Rev. Appl. Entomol. 18: 13.]

189. Box, H. E. 1930. A new moth borer of sugar-cane in Argentina (Lepidoptera: Pyralidae). Bull. Entomol. Res. 21(pt.3):307-8. [Rev. Appl. Entomol. 19:26-7.]

190. Box, H. E. 1931. The Crambine genera Diatraea and Xanthopherne (Lep., Pyral.). Bull. Entomol. Res. 22:1-50.

191. Box, H. E. 1932. Extract from a report...on a visit to St. Kitts in February 1932. Rep. Agric. Dep. St. Kitts-Nevis 1931. pp. 9-12. [Rev. Appl. Entomol. 20: 708.]

192. Box, H. E. 1932. Studies on early larval mortality of Diatraea saccharalis in Antigua with special reference to natural parasitism of eggs by Trichogramma. Proc. I.S.S.C.T. 4: Bull. 122, 6 pp.

193. Box, H. E. 1932. Sugar-cane moth borer (Diatraea) investigations in Antigua. Bull. Imp. Inst. 30(2):185-97. [Rev. Appl. Entomol. 20:582-3.]

194. Box, H. E. 1933. An early reference to sugar-cane entomology in the British West Indies. West Ind. Comm. Circ. 1 p. [Rev. Appl. Entomol. 22:65-6.]

195. Box, H. E. 1933. Further observations on sugar-cane moth borers (Diatraea spp.) in St. Lucia. Introduction of the Cuban parasite, Lixophaga diatraeae, Townsend. Report upon a visit to St. Lucia, August-September, 1933. With an appendix on the recommended biological control of the white coffee-leaf miner (Leucoptera coffeella, Guér.) in St. Lucia. Castries. 10 pp. [Rev. Appl. Entomol. 22:104.]

196. Box, H. E. 1933. Observations on sugar-cane moth borers (Diatraea spp.) in St. Lucia. Report upon a short visit to St. Lucia, March, 1933. Castries, St. Lucia, British West Indies. 5 pp. [Rev. Appl. Entomol. 21:410.]

197. Box, H. E. 1933. Sugar-cane moth borer (Diatraea) investigations. Outline of work done in Antigua during the year 1931. 10 pp. Outline of work done in Antigua and St. Kitts during the year 1932. 40 pp. Antigua, Colon. Developm. Fund. [Rev. Appl. Entomol. 21:661-2.]

198. Box, H. E. 1935. The biological control of the sugar-cane moth borer in Leeward Islands. With an appendix by J. G. Myers. Trop. Agric. 12(4):89-96. [Rev. Appl. Entomol. 23:345-6.]

199. Box, H. E. 1935. The species of Diatraea attacking sugar cane in the New World. Proc. I.S.S.C.T. 5: 470-6.

200. Box, H. E. 1935. West Indian entomological notes. Trop. Agric. 12(6): 158-60. [Rev. Appl. Entomol. 23: 448-9.]

201. Box, H. E. 1937. Sugar-cane moth borer (Diatraea) investigations. No. 3. Report on Lixophaga campaign for 1936 and the status of the parasite in Antigua at the end of the year. Antigua, Colon. Developm. Fund. 21 pp. [Rev. Appl. Entomol. 25:616-7.]

202. Box, H. E. 1938. Biological control of Diatraea saccharalis (Fabricus) in St. Lucia, B. W. I. Proc. I.S.S.C.T. 6:223-40.

203. Box, H. E. 1938. Observations on sugar-cane moth borers (Diatraea spp.) in St. Lucia.--III. The introduction and establishment of the Amazon fly (Metagonistylum minense Townsend) and control of Diatraea saccharalis Fabricius by means of this parasite. Report upon a visit to St. Lucia, March-April, 1938. Castries, St. Lucia, British West Indies. 25 pp. [Rev. Appl. Entomol. 27:182-3.]

204. Box, H. E. 1938. Some aspects of the campaign against the moth borer (Diatraea saccharalis Fabr.) in Antigua and St. Kitts, 1931-1938. Proc. I.S.S.C.T. 6:495-513.

205. Box, H. E. 1947. A preliminary account of the sugarcane borers (Diatraea spp.) in Venezuela. Bol. téc. Dep. Entomol. Minist. Agric. Venezuela. 117 pp. [Rev. Appl. Entomol. 37:273-4.]

206. Box, H. E. 1948. Notes on the genus Diatraea Guilding (Lepid., Pyral.). Bol. Ent. venez., Caracas. 7:42. [Zool. Records 86:356.]

207. Box, H. E. 1949. Early history of the sugarcane moth borer, Diatraea saccharalis (Fabr.), and some modern implications. Sugar J. 12(2):3-4, 7-9. [Bibl. Agric. 13:70692.]

208. Box, H. E. 1949. Some considerations upon the dipterous parasites of the sugar cane moth borer, Diatraea saccharalis (Fabr.). Asoc. de Téc. Azucareros de Cuba. Proc. 23:17-27. [Bibl. Agric. 15:60564.]

209. Box, H. E. 1949. The sugarcane borer. Vida Agric. [Lima]. 26:799, 801, 803, 805-10. [Bibl. Agric. 14:30152.]

210. Box, H. E. 1950. Investigations on the sugar-cane borers (Diatraea spp.) in Venezuela. Progress report for 1947-49. Bol. téc. Div. Entomol. Minist. Agric. Venezuela 2. 60 pp. [Rev. Appl. Entomol. 39:92-4.]

211. Box, H. E. 1950. The more important insect pests of sugar cane in northern Venezuela. Proc. Hawaii. entomol. Soc. 14(1):41-51. [Rev. Appl. Entomol. 40:388-9.]

212. Box, H. E. 1950. Observations on the sugar-cane moth borer, Diatraea saccharalis (Fabr.) in Peru. Proc. I.S.S.C.T. 7:328-43.

213. Box, H. E. 1950. The primitive history of the sugarcane borer, Diatraea saccharalis (Fabr) and recent work. Zafra. 2:71-6. [Bibl. Agric. 14:77971.]

214. Box, H. E. 1950. The sugarcane borer Asoc. de Téc. Azucareros de Cuba. B. Ofic. 9:101-11. [Bibl. Agric. 14: 85533.]

215. Box, H. E. 1951. Preliminary report on the sugar-cane borers (Diatraea, Chilo) in Mexico, based on a survey carried out in March-April 1951 in the cane regions of Sinaloa, Nayarit and Huasteca, with supplementary observations. Mexico, D. F., Un. nac. Prod. Azúc. 93 pp. [Rev. Appl. Entomol. 39:431-2.]

216. Box, H. E. 1951. Sugar cane moth borer control. Sugar. 46: 29-31. [Bibl. Agric. 15:30921.]

217. Box, H. E. 1952. Campaign against the sugarcane borer in Tropical America. Fazenda. 47(8):38-9. [Bibl. Agric. 16:94056.]

218. Box, H. E. 1952. Investigations on the sugar-cane borers (Diatraea spp.) in Venezuela. Progress report for 1947-49. Bol. téc. Inst. nac. Agric. Venez. 3. 39 pp. [Rev. Appl. Entomol. 42:213.]

219. Box, H. E. 1952. Investigations on the sugar-cane borers (Diatraea spp.) in Venezuela. The project of biological control. Progress report for 1949-51. Bol. téc. Inst. nac. Agric. Venez. 5. 52 pp. [Rev. Appl. Entomol. 42:213-4.]

220. Box, H. E. 1952. A preliminary account of the sugar-cane borers (Diatraea spp.) in Venezuela. Bol. téc. Inst. nac. Agric. Venez. 2. 72 pp. [Rev. Appl. Entomol. 42: 213.]

221. Box, H. E. 1953. About the insect pests that attack sugarcane. Supplement - Mex. Sugarcane Grower Bull. 44. 26 pp.

222. Box, H. E. 1953. The control of sugar-cane moth borers (Diatraea) in Venezuela--a preliminary account. Trop. Agric. 30(4-6):97-113. [Rev. Appl. Entomol. 44:221-2.]

223. Box, H. E. 1953. A preliminary list of the insects affecting sugarcane in the Lesser Antilles and Trinidad. Proc. I.S.S.C.T 8: 549-53. [Rev. Appl. Entomol. 44: 221.]

224. Box, H. E. 1953. Report on the insect pests that attack sugar-cane in Mexico, based on a survey carried out in May-July 1952 in the cane regions of Sinaloa, Balsas, Tehuacán, Papaloapan, central Veracruz, coastal Veracruz and Huasteca. Bol. azuc. mex. 44 suppl. 26 pp. [Rev. Appl. Entomol. 43:220-2.]

225. Box, H. E. 1956. Battle against Venezuela's cane borer. Sugar. 51 (5):25-7, 30, 45. [Bibl. Agric. 20:70816.]

226. Box, H. E. 1956. Battle against Venezuela's cane borer. III. Sugar. 51(7):30-4. [Bibl. Agric. 20:88739.]

227. Box, H. E. 1956. New species and records of Diatraea Guilding and Zeadiatraea Box from Mexico, Central and South America (Lepid., Pyral.). Bull. entomol. Res. 47 (pt. 4):755-6. [Rev. Appl. Entomol. 45:62.]

228. Box, H. E. 1959. Proposed use of the plenary powers to suppress the name saccharivora Peterkin, 1790 (Phalaena), and to place the generic name Diatraea Guilding, 1928, on the official list of generic names in zoology (class Insecta, order Lepidoptera). Z.N. (S.)1315. B. Zool. Nomencl. 17 (1/2):56-60. [Bibl. Agric. 24: 6329.]

229. Box, H. E. 1959. The species of Diatraea and allied genera attacking sugarcane. Proc. I.S.S.C.T. 10:870-7.

230. Box, H. E. 1959. Status of the moth borer, Diatraea saccharalis (F.), and its parasites in St. Kitts, Antigua and St. Lucia; with observations on Guadeloupe and an account of the situation in Haiti. Proc. I.S.S.C.T. 10: 901-14.

231. Box, H. E. 1960. Moth borer control in Barbados; important experiments with Trichogramma. Sugar & Azucar. 55(3):29-31. [Bibl. Agric. 24:41620.]

232. Box, H. E. and P. Guagliumi. 1953. The insects affecting sugarcane in Venezuela. Proc. I.S.S.C.T. 8:553-9.

233. Box, H. E. and R. E. Pontis Videla. 1952. Notes on the entomogenous fungus, Beauveria bassiana (Mont.), a parasite of Diatraea in Venezuela. Agron. trop. 1(3):233-6. [Rev. Appl. Entomol. 42:370-1.]

234. Brandes, E. W., S. F. Sherwood and B. A. Belcher. 1933. Sugarcane for sirup production. U.S. Dep. Agric. Cir. 284. 48 pp.

235. Brau de Zuzuarregui, M. 1922. Birds beneficial and injurious to agriculture. Rev. Agric. Puerto Rico. 8(5,6):13-8, 27-32. 9(2,3): 25-31, 17-20. [Rev. Appl. Entomol. 11:76.]

236. Bregger, T., P. H. Dunckelman, F. le Grand, E. H. Todd and D. D. Questel. 1960. A review of sugarcane research in Florida-- 1939-1959. Sugar J. 22:17-23.

237. Brèthes, J. 1920. Diatraea saccharalis in the province of Buenos Aires. Anales Soc. Rural Argentina, Buenos Aires. 54(16):943-8. [Rev. Appl. Entomol. 8:514.]

238. Brèthes, J. 1920. Entomology section. Mem. Trabajos Inst. Biol. Soc. Rural Argentina (May 1919 to 30 April 1920), Buenos Aires. pp. 57-62. [Rev. Appl. Entomol. 9: 209-10.]

239. Brèthes, J. 1922. Report of the entomological section. Mem. Trab. Inst. Biol. Soc. Rur. Argentina, 1921-22, Buenos Aires. pp. 40-3. [Rev. Appl. Entomol. 10:627-8.]

240. Brèthes, J. 1927. Parasites and hyperparasites of Diatraea saccharalis in sugarcane in Tucumán. Rev. Indust. y Agric. Tucumán. 17(7/8):163-6. [Biol. Abstr. 4: 2826.]

241. Brèthes, J. 1927. Parasites and hyperparasites of Diatraea saccharalis in Tucumán sugar-cane. Bull. Entomol. Res. 18(pt. 2):205-7. [Rev. Appl. Entomol. 16:159.]

242. Brewer, F. D. 1976. Development of the sugarcane borer on various artificial diets. U.S. Dep. Agric. ARS-S-116. 6 pp.

243. Brewer, F. D. 1977. Alternate protein sources and supplemental B-vitamin requirements in rearing the sugarcane borer on a wheat germ diet. J. Ga. Entomol. Soc. 12(4):283-91. [Rev. Appl. Entomol. 66:5852.]

244. Brewer, F. D. 1977. Development of Heliothis zea and Diatraea saccharalis on a flash sterilized soyflour-wheat germ diet. J. Georgia Entomol. Soc. 12(2):154-7.

245. Brewer, F. D. and E. G. King. 1978. Effects of parasitism by a Tachinid, Lixophaga diatraeae, on growth and food consumption of sugarcane borer larvae. Ann. Entomol. Soc. Am. 71(1):19-22.

246. Brewer, F. D. and D. F. Martin. 1976. Substitutes for agar in a wheat germ diet used to rear the corn earworm and the sugarcane borer. Ann. Entomol. Soc. Am. 69(2):255-6.

247. Brewer, F. D., C. W. Gantt and D. F. Martin. 1978. Media-preparation and brood-colony facility. U.S. Dep. Agric. Tech. Bull. 1576. pp. 72-5. [Bibl. Agric. 42:096010.]

248. Brieger, F. O. 1961. The sugarcane borer. Rural. 41(487):54-5. [Bibl. Agric. 26:55383.]

249. Brooks, J. C. 1979. Natural biological suppression agents of rice pests in the eastern plains of Colombia. Intl. Rice Res. Newsl. 4(3):19. [Rev. Appl. Entomol. 68: 3940.]

250. Bryans, T. G. and A. R. Ruiz. 1950. The chemical control of the sugarcane borer duplicated by Luis C. Scaramuzza. Asoc. de Téc. Azucareros de Cuba. B. Ofic. 9: 305-7. [Bibl. Agric. 15:60753.]

251. Buffon, A. 1927. Guadeloupe: crop pests and diseases. Int. Bull. Pl. Prot. 1(8):123-6. [Rev. Appl. Entomol. 16:153.]

252. Burrell, R. W. and W. J. McCormick. 1962. Effect of Trichogramma releases on parasitism of sugarcane borer eggs. J. Econ. Entomol. 55(6):880-2.

253. Bynum, E. K. and A. I. Balzer. 1936. Cold-water treatment as a control for the sugar cane borer. J. Econ. Entomol. 29:458-9.

254. Bynum, E. K. and W. E. Haley. 1948. Heavy mortality of sugarcane borers in Louisiana last winter. Sugar Bull. 26:246. [Bibl. Agric. 12: 39908.]

255. Bynum, E. K. and T. E. Holloway. 1924. The new pink borer of sugar cane and corn (Lepidoptera Noctuidae). Ann. Entomol. Soc. Am. 17(4): 469-72. [Rev. Appl. Entomol. 13: 126-7.]

256. Bynum, E. K., W. E. Haley and L. J. Charpentier. 1938. Sources of infestation by the sugarcane borer and trash treatment for the destruction of overwintering borers. Proc. I.S.S.C.T. 6:597-611.

257. Bynum, E. K., W. E. Haley and L. J. Charpentier. 1948. Disposal of sugarcane borers overwintering in shoots of summer-planted cane. Sugar Bull. 26:116, 123-5. [Bibl. Agric. 12:26514.]

258. Bynum, E. K., W. E. Haley and J. W. Ingram. 1952. Winter survival of the sugarcane borer in Louisiana and prospects for the 1952 infestation. Sugar Bull. 30(12):181, 186. [Biol. Abstr. 28:2224.]

259. Callan, E. McC. 1942. Notes on Theresia claripalpis Wulp (Diptera, Tachinidae), a parasite of Diatraea spp. in Trinidad, B. W. I. Trop. Agric. 19(4):71-3. [Rev. Appl. Entomol. 30:607.]

260. Caminha Filho, A. 1939. The sugar cane borer, Diatraea saccharalis, Fabricius. Biol. Min. Agric. [Rio de Janeiro]. 28(10/12): 25-37. [Biol. Abstr. 17:3221.]

261. Campos R., F. 1932. Insect pests of sugar-cane. Rev. Col. Rocafuerte. 14(46-7):7-8. [Rev. Appl. Entomol. 21:585.]

262. Cancienne, E. A. 1959. Fire ant control: effects on the sugar cane borer. Sugar J. 22(11):17. [Rev. Appl. Entomol. 49:111.]

263. Cancienne, E. A. 1959. The imported fire ant program and its effect on the sugar cane borer. Proc. A.S.S.C.T. 7:8-11.

264. Carbonell, C. S. 1957. Report on the biological control of the sugarcane borer, Diatraea saccharalis (F.). AIA. 29(100):9-46. [Bibl. Agric. 22:81989.]

265. Carvalho, J. H. de. 1956. Biological control of the sugarcane borer by Trichogramma minutum Riley, in Louisiana U.S.A. Brazil. Dep. Nac. de Prod. Veg. Div. de Defesa Sanit. Veg. B. Fitossanit. 6(3/4):159-68. [Bibl. Agric. 21: 67956.]

266. Carvalho, J. H. de. 1957. Control of pest of sugarcane (Diatraea saccharalis) in Louisiana. Brazil. Dep. Nac. da Prod. Veg. Div. de Defesa Sanit. Veg. B. Fitossanit. 6, i.e. 7(1/2):21-30. [Bibl. Agric. 23:6024.]

267. Cevallos, A. and J. M. Mathieu. 1972. Tests of varietal resistance of corn to Diatraea sp. in Nuevo León. Folia Entomol. Mex. 23-24: 29-30.

268. Chan, C. B. and L. C. Ju. 1948. The propagation and field colonization of Trichogramma australicum, Girault as a means of sugarcane borer control in Taiwan. J. Sugarcane Res. 2(9):21-36. [Bibl. Agric. 13:20789.]

269. Charpentier, L. J. 1954. Successful establishment of sugarcane borer parasites in Louisiana in 1953. Sugar Bull. 32:120, 125. [Bibl. Agric. 18:35233.]

270. Charpentier, L. J. 1956. Recent studies of parasites of the sugarcane borer at the Houma, La. laboratory. Proc. A.S.S.C.T. 6:76-81.

271. Charpentier, L. J. 1956. 1954 Studies of parasites for sugarcane borer control in Louisiana. J. Econ. Entomol. 49(2):267-8. [Rev. Appl. Entomol. 45:195-6.]

272. Charpentier, L. J. 1957. Recent attempts to establish sugarcane borer parasites in Louisiana. Ent. Soc. Amer. B. 3(3):27. [Bibl. Agric. 22:36129.]

273. Charpentier, L. J. 1958. Recent attempts to establish sugarcane borer parasites in Louisiana. Assoc. South. Agric. Workers. Proc. 55:110. [Bibl. Agric. 22:81991.]

274. Charpentier, L. J. 1958. Recent attempts to establish sugarcane borer parasites in Louisiana. J. Econ. Entomol. 51(2):163-4. [Rev. Appl. Entomol. 47:246.]

275. Charpentier, L. J. and R. Mathes. 1953. Further attempt to colonize the sugarcane borer egg parasite Telenomous alecto in Louisiana. Sugar Bull. 31(12):198. [Biol. Abstr. 28:2225.]

276. Charpentier, L. J. and R. Mathes. 1965. Trichogramma minutum parasitism of sugarcane borer eggs in fields treated with 2, 4-D for weed control. Proc. I.S.S.C.T. 12:1466-8. [Rev. Appl. Entomol. 58:2582.]

277. Charpentier, L. J., J. R. Gifford and R. Mathes. 1965. Present status of biological control of the sugarcane borer in continental United States. Proc. I.S.S.C.T. 12:1287-94. [Rev. Appl. Entomol. 58:2566.]

278. Charpentier, L. J., R. D. Jackson and W. J. McCormick. 1973. Sugarcane borer: control by delta-endotoxin of Bacillus thuringiensis, HD-1, in field tests. J. Econ. Entomol. 66(4):249-51.

279. Charpentier, L. J., W. J. McCormick and R. Mathes. 1959. Biological control of the sugarcane borer in Louisiana. Proc. I.S.S.C.T. 10: 865-9.

280. Charpentier, L. J., W. J. McCormick and R. Mathes. 1967. Beneficial arthropods inhabiting sugarcane fields and their effects on borer infestations. Sugar Bull. 45: 276-7.

281. Charpentier, L. J., J. R. Gifford, T. E. Summers and R. D. Jackson. 1971. Biological control of sugarcane insects in continental United States--a historical review. Proc. I.S.S.C.T. 14:466-76.

282. Charpentier, L. J., W. H. Long, E. J. Concienne and R. Mathes. 1961. Losses to the sugarcane borer in Louisiana. Sugar Bull. 39:138-9.

283. Charpentier, L. J., R. Mathes, W. J. McCormick and J. W. Sanford. 1965. Injury and losses caused by the sugarcane borer in Louisiana. Proc. I.S.S.C.T. 12:1383-7. [Rev. Appl. Entomol. 58:2575.]

284. Charpentier, L. J., R. Mathes, W. J. McCormick, W. H. Long and E. J. Concienne. 1959. Sugarcane borer infestation and loss in Louisiana. Sugar Bull. 37:154.

285. Chen, C. B. 1955. Control of sugarcane borers in Taiwan; the propagation and liberation of Trichogramma australicum Girault. Taiwan Sugar. 2(7):22-5. [Bibl. Agric. 19:97383.]

286. Chen, C. B. 1963. An efficient criticism of utilizing indigenous egg parasites (Trighogramma minutum and Trichogramma australicum) and introducing parasites for controlling the sugarcane borers. Agric. Assoc. China. J. (n.s.) 44:1-8. [Bibl. Agric. 28:42579.]

287. Chen, C. B. and T. H. Hung. 1958. Experiment results of Cuban fly, Lixophaga diatraeae, Towns,; introduction into Taiwan, artificial propagation and control for sugar cane borers. Formosa. Sugar Exp. Stn. Rep. 17:44-52. [Bibl. Agric. 23:60781.]

288. Chen, C. B. and T. H. Hung. 1962. Experiment results of introducing parasitic wasps and fly for controlling sugarcane borers from India into Taiwan in 1961-1962. Agric. Assoc. China. J. (n.s.) 40: 63-71. [Bibl. Agric. 27:52536.]

289. Chinloy, T. 1956. A survey of the intensity of small moth borer (Diatraea saccharalis F) infestation in the sugar cane of Jamaican sugar estates. Brit. West Indies Sugar Assoc. Proc. Mtg. Sugar Technol. 1955:73-8. [Bibl. Agric. 22: 26909.]

290. Cleare, L. D. 1920. Annual loss caused through insects in British Guiana. J. Bd. Agric. British Guiana, Demerara. 13(3):115-26. [Rev. Appl. Entomol. 8:471-2.]

291. Cleare, L. D. 1922. Notes on small moth-borers of sugar-cane in British Guiana. J. Bd. Agric. British Guiana. 15(4):163-84. [Rev. Appl. Entomol. 11:326.]

292. Cleare, L. D. 1923. Notes on the small moth-borers of sugar-cane in British Guiana. Bull. Entomol. Res. 13(4):457-68. [Rev. Appl. Entomol. 11:326.]

293. Cleare, L. D. Jr. 1925. Report of the biological division. British Guiana: Rep. Dep. Sci. Agric. 1923. pp. 47-51. [Rev. Appl. Entomol. 13: 344-5.]

294. Cleare, L. D. Jr. 1926. Report of the biological division. British Guiana: Rep. Dep. Sci. Agric. 1924. pp. 65-8. [Rev. Appl. Entomol. 14: 238.]

295. Cleare, L. D. Jr. 1926. Report on the working of the biological division. British Guiana: Rep. Dep. Sci. Agric., 1925. Appx. 5: 4 pp. [Rev. Appl. Entomol. 14:546.]

296. Cleare, L. D. Jr. 1927. Report on the working of the biological division. Rep. Dep. Sci. Agric. British Guiana, 1926. Appx. 5: 10 pp. [Rev. Appl. Entomol. 16:465.]

297. Cleare, L. D. Jr. 1927. The rice moth-borer (Diatraea saccharalis, F.) and recommendations for its control. J. Bd. Agric. British Guiana. 20(3): 198-9. [Rev. Appl. Entomol. 16:112.]

298. Cleare, L. D. 1930. Entomological investigations. Admin. Rep. Dir. Agric. British Guiana 1929. pp. 16-7. [Rev. Appl. Entomol. 18: 712.]

299. Cleare, L. D. 1932. Moth-borer damage in relation to sugar-cane varieties in British Guiana. Trop. Agric. 9(9):264-71. [Rev. Appl. Entomol. 20:612.]

300. Cleare, L. D. 1934. Sugar-cane moth-borer investigations in British Guiana: the present position. Agric. J. British Guiana. 5(1):13-21. [Rev. Appl. Entomol. 22:387-8.]

301. Cleare, L. D. 1937. Experimental rearings of the Amazon fly (Metagonistylum minense Towns.) on the yellow-headed sugar-cane moth-borer (Diatraea canella Hmpsn.). Agric. J. British Guiana. 8(4): 190-4. [Rev. Appl. Entomol. 26: 221.]

302. Cleare, L. D. 1938. Report on the entomological division for the year 1936. Divl. Reps. Dep. Agric. British Guiana 1936. pp. 85-8. [Rev. Appl. Entomol. 26:369.]

303. Cleare, L. D. 1938. Status of the Amazon fly in British Guiana, 1937. Agric. J. British Guiana. 9(1): 12-24. [Rev. Appl. Entomol. 26: 491.]

304. Cleare, L. D. 1939. The Amazon fly (Metagonistylum minense, Towns.) in British Guiana. Bull. Entomol. Res. 30(pt. 1):85-102. [Rev. Appl. Entomol. 27:505.]

305. Cleare, L. D. 1940. Report on the entomological division for the year 1938. Divl. Rep. Dep. Agric. British Guiana 1938. pp. 75-8. [Rev. Appl. Entomol. 28:547-8.]

306. Cleare, L. D. 1941. The Amazon fly under drought conditions in British Guiana. Trop. Agric. 18 (7):131-4. [Rev. Appl. Entomol. 30:221.]

307. Cleare, L. D. 1941. Entomology. Adm. Rep. Dir. Agric. British Guiana 1939. p. 10. [Rev. Appl. Entomol. 29:538.]

308. Cleare, L. D. 1941. Report on the entomological division for the year 1940. Dep. Agric. British Guiana. 3 pp. [Rev. Appl. Entomol. 30:294.]

309. Coburn, G. E. 1970. Sugarcane borer host plant resistance studies-establishment and survival of larvae on sugarcane varieties N.Co. 310 and C.P. 44-101. Thesis. La. State Univ., Baton Rouge. 89 pp.

310. Coburn, G. E. 1974. Host resistance to Diatraea saccharalis (F.)-evaluation of entries in Louisiana sugarcane varietal trials, 1969-71. Dissertation. La. State Univ., Baton Rouge. 89 pp. [Diss. Abstr. Intl. 36(1):81B.]

311. Coburn, G. E. and S. D. Hensley. 1972. Differential survival of Diatraea saccharalis (F.) larvae on 2 varieties of sugarcane. Proc. I.S.S.C.T. 14:440-4.

312. Cochran, B. J. and F. A. Martin. 1976. Studies of rind hardness in sugarcane. La. Agric. 19(4): 6-7. [Bibl. Agric. 40:102340.]

313. Cockrell, T. D. A. 1892. The sugar-cane borer. Bull. Botan. Dep. Jamaica 30. [Zool. Records 29:177.]

314. Cornejo S., R. 1965. Effect of the herbicides 2,4-D, and 2,4,5-T on parasitism of the eggs of the sugar-cane borer (Diatraea saccharalis Fabr.) by Trichogramma minutum Riley. Revta peru. Entomol. 8(1):157-8. [Rev. Appl. Entomol. 56:1980.]

315. Coro, F. 1973. Structure of tympanal organ of Diatraea saccharalis (Fabr.), (Lepidoptera, Crambidae). Vestn. Moskovsk. Univ., Biol. Pochvoved. 3:12-4. [Bibl. Agric. 38:016078.]

316. Costa, J. A. 1970. Borers, infestation and parasitism in sugarcane from the zone of influence of the 'Portuguesa' Mill. Proc. 7th Cong. Agron., Acarigua, Araure, Portuguesa State, 17-20 April 1969. Vol. 4. Entomology-Phytopathology. (75):17 pp. [Rev. Appl. Entomol. 60:2614.]

317. da Costa Lima, A. 1928. Report on the loss of condition of coffee plants in Pernambuco. Recife (Pernambuco), Sec. Agric., Com., Ind., Viação e Obras Publicas. 27 pp. [Rev. Appl. Entomol. 16:382-3.]

318. Costa Spirgatis, J. A. 1970. Rearing of Diatraea saccharalis (Fabricius) on artificial diets. Proc. 7th Cong. Agron., Acarigua, Araure, Portuguesa State, 17-20 April 1969. Vol. 4. Entomology-Phytopathology. (67):20 pp. [Rev. Appl. Entomol. 60:2606.]

319. Cotes, E. C. 1889. Further notes on insect pests. Ind. Mus. Notes. 1:22-7. [Zool. Records 26:166.]

320. Crawley, W. C. 1916. Ants from British Guiana. Ann. Mag. Nat. Hist., London (8th Ser.). 17(5): 366-78. [Rev. Appl. Entomol. 4: 465.]

321. Crawley, J. T. 1927. The losses from the sugar cane moth borer in Cuba. Proc. I.S.S.C.T. 2:69-71.

322. Cueto Robayna, C. B. 1951. The breeding of the sugarcane borer (Diatraea saccharalis) in the laboratory. Asoc. de Tec. Azucareros de Cuba. Mem. Conf. Anu. 25: 41-9. [Bibl. Agric. 17:97444.]

323. Cueto Robayna, C. B. 1953. A new method for breeding the sugarcane borer (Diatraea saccharalis, Fabr.) in the laboratory in 1953. Asoc. de Téc. Azucareros de Cuba. Mem. de la Conf. Anu. 27:1-8. [Bibl. Agric. 19:90271.]

324. Cueto Robayna, C. B. 1955. A new method for breeding the sugarcane borer (Diatraea saccharalis Fabr.) in the laboratory. Indus. Azucarera. 61:461-3, 465-8. [Bibl. Agric. 20: 15963.]

325. Cueto Robayna, C. B. 1956. The most favorable months for breeding of the sugarcane borer (Diatraea saccharalis, Fabr.) and the Cuban fly (Lixophaga diatraeae, Towns.). Asoc. de Téc. Azucareros de Cuba. Mem. de la Conf. Anu. 30:49-59. [Bibl. Agric. 22:64447.]

326. Cueto Robayna, C. B. 1957. The biological control of the sugarcane borer (Diatraea saccharalis, Fabr.) by the Cuban fly (Lixophaga diatraeae, Towns.) in central Baragua. Asoc. de Téc. Azucareros de Cuba. Mem. de la Conf. Anu. 31:1-8. [Bibl. Agric. 23:33114.]

327. Cueto Robayna, C. B. 1960. The sugarcane borer (Diatraea saccharalis, Fabr.) in the Cuban economy. Asoc. de Téc. Azucareros de Cuba. B. Ofic. 19(7):369-74. [Bibl. Agric. 25:22342.]

328. Cueto Robayna, C. 1967. Biology of the borer under Cuban conditions and its control by physical medium. Bol. Ofic. Asco. Tec. Azucarer Cuba. 22(4/5):28-40. [Biores. Index 5:66154.]

329. Curran, C. H. 1926. New Diptera from Jamaica. Dep. Agric. Jamaica. Entomol. Bull. 4(1):102-14. [Biol. Abstr. 6:25920.]

330. Dantas, B. 1957. Susceptibility of some varieties of sugarcane to sugarcane borer, Diatraea. Bras. Acucareiro. 49(2):163-5. [Bibl. Agric. 22:7843.]

331. Dantas, B., A. P. da Silva and E. R. Braga. 1956. Borer index of some sugarcane varieties in Pernambuco. Bol. Técn. Inst. Agron. Nordeste. 4:59-87. [Biol. Abstr. 33:31589.]

332. Dash, J. S. 1915. Report on entomological and mycological work. Rep. Dep. Agric., Barbados, 1913-14. pp. 37-43. [Rev. Appl. Entomol. 4:9-10.]

333. Dash, J. S. 1916. Report of the assistant superintendent of agriculture on the entomological and mycological work carried out during the season under review. Rep. Dep. Agric., Barbados, 1914-15. pp. 38-44. [Rev. Appl. Entomol. 4:256-7.]

334. Dash, J. S. 1917. Report of the assistant superintendent of agriculture on the entomological and mycological work carried out during the season under review. Rep. Dep. Agric. 1916-17, Barbados. pp. 56-60. [Rev. Appl. Entomol. 6:393-4.]

335. Dash, J. S. 1919. Recommendations to growers of sugar-cane in Guadeloupe. Stn. Agron. Guadeloupe, Pointe-à-Pitre, Antilles Francaises, Bull. 1. 30 pp. [Rev. Appl. Entomol. 7:229.]

336. Dash, J. S. 1920. Diseases and insect pests of plants. Premier Rapport Stn. Agronom. Guadeloupe, 1918-19. pp. 29-32. [Rev. Appl. Entomol. 8:298.]

337. Dash, J. S. 1921. Insects and diseases. Second Rapport Stn. Agron. Guadeloupe, 1919-20, Pointe-à-Pitre. pp. 21-2. [Rev. Appl. Entomol. 9:399.]

338. Dash, J. S. 1922. Third report of the Guadeloupe agronomy station, July 1920 to June 1921. Stn. Agron. Guadeloupe, Pointe-à-Pitre. pp. 7-17. [Rev. Appl. Entomol. 10:329.]

339. Davis, E. G. 1944. Apanteles diatraeae, a Braconid parasite of the southwestern corn borer. U.S. Dep. Agric. Tech. Bull. 871. 19 pp. [Rev. Appl. Entomol. 33:176-7.]

340. Davis, L. A. 1966. Some effects of spraying low-volume concentrate insecticides for control of the sugarcane borer, Diatraea saccharalis (F.). Thesis. La. State Univ., Baton Rouge. 56 pp.

341. Davis, L., F. Bonner and S. D. Hensley. 1969. Residues on sugarcane tissues 24 hours after application of different formulations of Azinphosmethyl. J. Econ. Entomol. 62(2):505-6.

342. Dekle, G. W. 1965. Illustrated key to caterpillars on corn. Fla. Dep. Agric. Div. Plant Industry Bull. 4. 14 pp.

343. Dekle, G. W., G. L. Greene and T. E. Summers. 1971. Sugarcane borer (Diatraea saccharalis (Fab.)) on pampas grass in Florida (Crambidae: Lepidoptera). Entomol. Circ., Div. Plant Indust., Fla. Dep. Agric. Consumer Services. (105):2 pp. [Rev. Appl. Entomol. 63:1577.]

344. Delattre, P. 1978. Features of the establishment and dispersal in Guadeloupe of Apanteles flavipes (Hym.:Braconidae), parasite of sugar-cane pyralids of the genus Diatraea (Lep.:Pyralidae). Entomophaga. 23(1):43-50. [Rev. Appl. Entomol. 66:3906.]

345. Delgado de Garay, A. 1942. The sugar-cane moth borer (Diatraea sp.) Fitófilo. 1(5):31-7. [Rev. Appl. Entomol. 35:388.]

346. Dias de Souza, H. 1943. The sugarcane borer and its parasites in Campos, State of Rio de Janeiro. Bol. Inst. Exp. agric. 4. 22 pp. [Rev. Appl. Entomol. 35:169-70.]

347. van Dine, D. L. 1913. The insects affecting sugar-cane in Porto Rico. J. Econ. Entomol. 6(2):251-7. [Rev. Appl. Entomol. 1:184-5.]

348. van Dine, D. L. 1913. Report of the entomologist. Exp. Stn. Sugar Producers' Assn. Porto Rico, Rio Piedras, Bull. 5. pp. 25-46. [Rev. Appl. Entomol. 2:48-50.]

349. van Dine, D. L. 1926. The sugar cane moth stalkborer. Trop. Plant Res. Foundation Bull. 2. 11 pp. [Rev. Appl. Entomol. 14:542.]

350. van Dine, D. L. 1929. Parasites of sugar cane moth borers. J. Econ. Entomol. 22(1):248-68. [Rev. Appl. Entomol. 17:383-4.]

351. van Dine, D. L. 1946. The sugar-cane borer in sugarcane. Control de Plagas. 8:186-7. [Bibl. Agric. 11:4406.]

352. van Dine, D. L. 1946. The sugar-cane stalk borer. Control de Plagas. 8:171, 173-5. [Bibl. Agric. 10:10379.]

353. van Dinther, J. 1960. Control of rice borers in Dutch Guiana. Meded. LandbHogesch. Gent. 25(3-4):1531-41. [Rev. Appl. Entomol. 49:518-21.]

354. van Dinther, J. B. M. 1971. A method of assessing rice yield losses caused by the stem borers Rupela albinella and Diatraea saccharalis in Surinam and the aspect of economic thresholds. Entomophaga 16(2):185-91.

355. van Dinther, J. B. M. and P. A. Goossens. 1970. Rearing of Diatraea saccharalis on diets in Surinam. Ent. exp. & appl. 13: 320-6.

356. Dohanian, S. M. 1937. The introduction of parasites of the sugar-cane borer into Puerto Rico. J. Agric. Univ. Puerto Rico. 21(2): 237-41. [Rev. Appl. Entomol. 26: 1938.]

357. Dohanian, S. M. 1937. The search in the American tropics for beneficial insects for introduction into Puerto Rico. Agric. Notes Puerto Rico Exp. Stn. 76. 7 pp. [Rev. Appl. Entomol. 25:616.]

358. Dohanian, S. M. 1938. The search for beneficial insects in the American tropics for introduction into Puerto Rico. Rev. Agric. Puerto Rico. 30(3):408-12. [Biol. Abstr. 13:8669.]

359. Dominguez Llerena, G. 1955. Technology used in the artificial breeding of the fly Lixophaga diatraeae Towns for the control of the sugarcane borer and the results obtained. Agrotecnia. 10: 55-62. [Bibl. Agric. 20:23672.]

360. Douglas, W. A. and J. W. Ingram. 1942. Rice-field insects. U.S. Dep. Agric. Circ. 632. 32 pp. [Rev. Appl. Entomol. 30:566-8.]

361. Dugas, A. L. 1938. Trend in natural parasitism of sugarcane borer, Diatraea saccharalis (F.), by Trichogramma spp. Proc. I.S. S.C.T. 6:361-7.

362. Dugas, A. L. 1940. Present status of Trichogramma spp. as a parasite of the sugarcane borer, Diatraea saccharalis (F.) in Louisiana. La. Agric. Exp. Stn. Bull. 323. pp. 29-31.

363. Dugas, A. L. 1943. Recommendations for a sugarcane borer control program in Louisiana. La. Agric. Exp. Stn. Bull. 363. 14 pp.

364. Dugas, A. L. 1943. Sugarcane borer losses, and control by dusting with cryolite. Sugar Bull. 21(14):106-8. [Bibl. Agric. 2: C-95.]

365. Dugas, A. L. 1944. Recommendations for a sugarcane borer control program in Louisiana. Sugar Bull. 22:61-2. [Bibl. Agric. 4:10534.]

366. Dugas, A. L. 1944. Recommendations for a sugarcane borer program in Louisiana. Sugar Bull. 23:46-7. [Bibl. Agric. 6:7606.]

367. Dugas, A. L. 1949. Comparison of cryolite with the new organic and other promising insecticides for control of the sugarcane borer in Louisiana. Assoc. South. Agric. Workers Proc. 46:94. [Bibl. Agric. 13:70706.]

368. Dugas, A. L. 1950. The sugarcane borer: the borer problem--its present status--the outlook for 1950--program of control. Sugar B. 28: 103-8. [Bibl. Agric. 14:22044.]

369. Dugas, A. L. 1954. The sugar cane borer problem in Louisiana today. Baton Rouge, La. 14 pp. [Bibl. Agric. 19:97387.]

370. Dugas, A. L. 1954/55. Status of sugar cane insect problems in Louisiana. Proc. A.S.S.C.T. 5: 43-51.

371. Dugas, A. L. 1954/55. The sugarcane borer problem in Louisiana today. Proc. A.S.S.C.T. 5:8-17.

372. Dugas, A. L. 1955. Recommendations for the chemical control of the sugarcane borer in Louisiana in 1955. Sugar B. 33:259-60. [Bibl. Agric. 19:72248.]

373. Dugas, A. L. 1957. A consultant service to provide supervised control of the sugar cane borer and other cane insects. Proc. A.S.S.C.T. 7:1-15.

374. Dugas, A. L. 1957. The sugarcane borer problem in Louisiana today. Proc. A.S.S.C.T. 5:8-17. [Bibl. Agric. 22:26917.]

375. Dugas, A. L. 1957. Supervised control of the sugar cane borer and other cane insects. Sugar J. 19(10):38. [Bibl. Agric. 21: 41295.]

376. Dugas, A. L. 1958. Principles involved in the chemical control of the sugar cane borer. Proc. A.S.S.C.T. 7:136-62.

377. Dugas, A. L. 1958. The sugar cane borer Louisiana cane planters adopt control system for this insect. Sugar J. 20(8):18-9,21. [Bibl. Agric. 22:36138.]

378. Dugas, A. L. and K. L. Cockerham. 1956. How to check fields for sugar cane borer infestation. La. Univ. Agric. Ext. Ext. P. 1195. 6 pp. [Bibl. Agric. 20:79518.]

379. Dugas, A. L. and E. J. Concienne. 1954. Cultural methods for control of overwintering sugarcane borers in Louisiana. Assoc. South. Agric. Workers. Proc. 51:108. [Bibl. Agric. 18:69782.]

380. Dugas, A. L. and E. J. Concienne. 1956. Current status of sugar cane borer control in Louisiana with insecticides. Assoc. South. Agric. Workers. Proc. 53:133. [Bibl. Agric. 21:7715.]

381. Dugas, A. L. and E. J. Concienne. 1956. Effectiveness of cultural methods for control of overwintering sugar cane borer in Louisiana. Assoc. South. Agric. Workers. Proc. 53:133. [Bibl. Agric. 21: 7716.]

382. Dugas, A. L. and E. J. Concienne. 1956. Sugarcane borer control in Louisiana with insecticides. 9th Proc. I.S.S.C.T. 1:836-56.

383. Dugas, A. L. and J. W. Ingram. 1942. Losses caused by sugarcane borer to sugarcane in Louisiana in 1940. La. Agric. Exp. Stn. Bull. 350. pp. 32-4.

384. Dugas, A. L. and J. W. Ingram. 1944. A summary of insecticide tests on the sugarcane borer in 1941. Sugar Bull. 22(10):74-7. [Biol. Abstr. 18:12037.]

385. Dugas, A. L. and C. E. Smith. 1954. Recommendations for the control of the sugarcane borer in Louisiana in 1954. Sugar Bull. 32:185, 187-8. [Bibl. Agric. 18:52919.]

386. Dugas, E. L., E. J. Concienne and C. Landers. 1952. Insecticidal studies. Sugar Bull. 30(14): 215-7. [Biol. Abstr. 28:2226.]

387. Dugas, A. L., E. J. Concienne and C. Sanders. 1952. Sugarcane borer outlook for 1952 as determined by overwintering population and mortality survey. Sugar Bull. 30:166, 169. [Bibl. Agric. 16: 43781.]

388. Dugas, A. L., E. J. Concienne and C. Sanders. 1952. Sugarcane borer overwintering population and mortality survey, and outlook for 1952. La. Agric. Exp. Stn. Dep. Ent. Spec. Release Insect Cond. 1. 9 pp. [Bibl. Agric. 17:35970.]

389. Dugas, A. L., E. J. Concienne and C. Sanders. 1952. Sugarcane insect investigations, 1951; report to Sugarcane Contact Committee. La. Agric. Exp. Stn. Baton Rouge, La. 30 pp. [Bibl. Agric. 17: 72637.]

390. Dugas, A. L., E. J. Concienne and C. E. Smith. 1953. Sugarcane insect investigations 1952. La. Agric. Exp. Stn. Baton Rouge, La. 33 pp. [Bibl. Agric. 17:89863.]

391. Dugas. A. L., C. E. Smith and E. J. Concienne. 1949. Sugarcane insect investigation 1948. Sugar B. 27:209-11. [Bibl. Agric. 13: 46411.]

392. Dugas, A. L., C. E. Smith and E. J. Concienne. 1953. Interpretation of results from chemical control of the borer. Sugar Bull. 31: 224, 234. [Bibl. Agric. 17:65352.]

393. Dugas, A. L., C. E. Smith and E. J. Concienne. 1953. Recommendations for the chemical control of the sugarcane borer in Louisiana in 1953. Sugar Bull. 31:215-6. [Bibl. Agric. 17:56649.]

394. Dugas, A. L., C. E. Smith, J. W. Ingram and E. K. Bynum. 1950. The sugarcane borer situation. La. Agric. Exp. Stn. Dep. Entomol. Spec. Release 1. 3 pp. [Bibl. Agric. 14:48017.]

395. Dugas, A. L., E. J. Concienne, R. Mathes, L. Charpenter and W. E. Haley. 1955. Sugarcane borer overwintering population survey and outlook for 1955. Sugar Bull. 33: 258, 260-1. [Bibl. Agric. 19: 72249.]

396. Dunckelman, P. H. and M. A. Blanchard. 1974. Basic sugarcane breeding, Houma, Louisiana 1973-74 season. Sugar Bull. 52(20):8-11. [CAB Abstr.]

397. Duport, L. 1912/13. Notes on certain diseases and enemies of cultivated plants in the Far East. Extrait du Bull. Economique de l' Indochine, Hanoi-Haiphong, Nouvelle Série. (99 and 102, 105):147 pp. [Rev. Appl. Entomol. 2:489-91.]

398. Dyar, H. G. 1911. The American species of Diatraea Guilding (Lepid., Pyralidae). Entomol. News. 22:199-207.

399. Dyar, H. G. and C. Heinrich. 1927. The American moths of the genus Diatraea and allies. Proc. U.S. Natl. Mus. 2691. 71: Art. 19, 48 pp, 20 pls.

400. Edwards, W. H. 1935. Report of the government entomologist. Rep. Dep. Agric. Jamaica 1934. pp. 24-8. [Rev. Appl. Entomol. 24: 380-1.]

401. Edwards, W. H. 1936. Report of the government entomologist. Rep. Dep. Sci. Agric. Jamaica 1935. pp. 76-80. [Rev. Appl. Entomol. 25:376-7.]

402. Edwards, W. H. 1937. Report on an agricultural survey in the cayman islands with notes on the control of the more important pests and diseases which were found attacking economic plants in that dependency of Jamaica. Bull. Dep. Sci. Agric. Jamaica 13. 41 pp. [Rev. Appl. Entomol. 26:268-9.]

403. Edwards, W. H. 1937. Report of the government entomologist. Rep. Dep. Sci. Agric. Jamaica 1936. pp. 57-8. [Rev. Appl. Entomol. 26:490.]

404. Edwards, W. H. 1938. Report of the entomologist for the year 1937. Rep. Dep. Agric. Jamaica 1937. pp. 55-8. [Rev. Appl. Entomol. 27:238-9.]

405. Edwards, W. H. 1939. Annual report of the entomologist for the year 1938. Pages 65-9 in G. A. Jones Annual Report of the Department of Agriculture for the Year ended 31st December, 1938. Jamaica. [Biol. Abstr. 15:1669.]

406. Edwards, W. H. 1939. Report of the entomologist for the year 1938. Rep. Dep. Agric. Jamaica 1938. pp. 65-9. [Rev. Appl. Entomol. 28:495.]

407. Edwards, W. H. 1940. The economic significance of pests affecting sugar cane in Jamaica and an outline of surveys in cane fields to investigate conditions which may cause low yields in ratoons. Jamaican Ass. Sugar Techn. Quart. 3(4): 20 pp. [Rev. Appl. Entomol. 29: 293.]

408. Elias, L. A. 1970. Maize resistance to stalk borers in Zeadiatraea Box, and Diatraea Guilding (Lepidoptera: Pyralidae) at five localities in Mexico. Dissertation. Kan. State Univ., Manhattan. 181 pp. [Diss. Abstr. Intl. 31(3):1331-2B.]

409. Ellis, T. O., P. E. Rohrig and G. Arceneaux. 1959. Stalk borer damage as effecting avaialble sucrose in mill cane. Proc. I.S.S.C. T. 10:924-38.

410. Ellisor, L. O. and J. W. Ingram. 1938. Experiments with insecticides in the control of the sugarcane borer, Diatraea saccharalis (Fab.). Proc. I.S.S.C.T. 6:693-705.

411. Ellisor, L. O. and H. A. Jaynes. 1938. Varieties of sugar cane in relation to sugar cane borer damage in 1936. La. Agric. Exp. Stn. Bull. 298. pp. 20-3.

412. Etienne, J. 1973. Consequences of continuous rearing of Lixophaga diatraeae Towns (Diptera Tachinidae) on laboratory host: Galleria mellonella L. (Lepidoptera Galleriidae). Entomophaga. 18(2):193-203. [Bibl. Agric. 38:015379.]

413. Everett, T. 1966. Insects and their control. U.S. Dep. Agric. Agric. Handbook 289. pp. 121-4. [Biol. Abstr. 47:114553.]

414. Fernández Aguirre, E. 1945. For interest of sugarcane producers, about the visit of Scaramuzza, entomologist to the Ministry of Agriculture. Agronomiá [Habana]. 5:148. [Bibl. Agric. 7:23241.]

415. Fewkes, D. W., D. A. Buxo and T. R. Barnes. 1966. The incidence of sugarcane moth borer (Lepidoptera: Castniidae and Pyralidae) damage in Trinidad in relation to aerial application of insecticides for froghopper control. Proc. 1966 meeting British West Indies Sugar Technologists, Georgetown, Guyana, 17-21 Oct. 1966. 1:317-25. [Rev. Appl. Entomol. 60:959.]

416. Fisk, F. W. and R. Perez Perez. 1969. Flight activity periods of the sugarcane borer, Diatraea saccharalis, in Puerto Rico. J. Agric. Univ. Puerto Rico. 53(2): 93-9. [Biol. Abstr. 51:80988.]

417. Flanders, S. E. 1930. Mexican sugar cane-borers and the parasite Trichogramma. J. Econ. Entomol. 23(3):603-6. [Rev. Appl. Entomol. 18:576-7.]

418. Flechtmann, C. H. W. 1976. Observations on two free-living mites (Mesostigmata, Acari). An. Soc. Entomol. Brazil. 5(1):95-6. [Rev. Appl. Entomol. 65:6586.]

419. Flechtmann, C. H. W. 1976. Two mites (Arthropoda, Acari) frequently found in rearings of the sugarcane borer (Insecta, Lepidoptera). Ecossistema. 1(1):62-3. [Bibl. Agric. 42:019427.]

420. Flores Cáceres, S. 1951. Pests and diseases of sugarcane in some plantations of the Mexican Republic. Foll. misc. Sec. Agric. Mex. (4):302-24. [Rev. Appl. Entomol. 42:271.]

421. Flores Caceres, S. 1955. Biological control of the sugar cane borer. Agric. Tecn. Mexico. 1(1):16-37. [Biol. Abstr. 35:17399.]

422. Floyd, E. H. 1966. Survival of the sugarcane borer overwintering in corn stalks in Louisiana. J. Econ. Entomol. 59(4):825-7.

423. Floyd, E. H., D. F. Clower and L. F. Mason. 1960. Effect of sugarcane borer infestation on the yield and grade of corn. J. Econ. Entomol. 53(5):935-7.

424. Forbes, W. T. M. 1920. Notes on the Crambinae (Lepidoptera). J. New York ent. Soc. 28:224. [Zool. Records 57:673.]

425. Forbes, I. L. and A. L. Dugas. 1944. The red rot and borer problem in Co. 290. Sugar Bull. 22:70. [Bibl. Agric. 4:10538.]

426. Franco, E. 1960. The sugarcane borer. Lavoura. 63:20, 22. [Bibl. Agric. 25:32285.]

427. Franco, E. 1960. The sugarcane borer. Rural. 40(468):68. [Bibl. Agric. 24:77466.]

428. Franco, E. 1960. The sugarcane borer. UNASCO. 1(12):27. [Bibl. Agric. 24:77467.]

429. Franco do Amaral, S. and H. Vaz Arruda. 1964. The degree of susceptibility of 15 varieties of sugar-cane to Diatraea saccharalis (F., 1794) (Lepidoptera - Crambidae). Arq. Inst. Biol. 31(fasc. 3):79-83. [Rev. Appl. Entomol. 53:599.]

430. Franco do Amaral, S. and H. Vaz Arruda. 1972. Susceptibility of new varieties of sugar cane to Diatraea saccharalis (F., 1794) - Lepidoptera - Crambidae). O Biologico. 38:52-4.

431. Franco do Amaral, S. and H. Vaz Arruda. 1972. Susceptibility of new varieties of sugar cane to Diatraea saccharalis (F., 1794) - (Lepidoptera - Crambidae). O Biologicao. 38:73-5.

432. Fretay, E. 1965. Bionomics of the sugar-cane borer and the use of pesticides. Cong. Protection Trop. Crops. Account Proc. 23-27 March 1965. pp. 407-10. [Rev. Appl. Entomol. 55:437.]

433. Fuchs, T. W. (Tex. Agric. Exp. Stn., Weslaco, Tex. 78596). 1978. Diapause in the sugarcane borer, Diatraea saccharalis. ESA Annual Meeting 784 2462 Houston, Tex. 26-30 Nov. 1978. [Conference Papers Index.]

434. Fuchs, T. W. (Tex. Agric. Exp. Stn., 2551 Hwy. 83, Weslaco, Tex. 78596). 1979. Status of Apanteles flavipes, a parasite of the sugarcane borer, Diatraea saccharalis, in Texas. ESA Annual Meeting 794 2231 Denver, Colo. 25-9 Nov. 1979. Recordings of sessions available, for information: ESA,4603 Calvert Rd., College Park, Md. 20740 [Conference Papers Index.]

435. Fuchs, T. W. and J. A. Harding. 1978. Oviposition patterns, egg parasitism, and spring emergence of the sugarcane borer, Diatraea saccharalis. Environ. Entomol. 7(4):601-4.

436. Fuchs, T. W. and J. A. Harding. 1979. Seasonal abundance of the sugarcane borer, Diatraea saccharalis, on sugarcane and other hosts in the Lower Rio Grande Valley of Texas, USA. Southwest Entomol. 4(2):125-31. [Biol. Abstr. 69:8924.]

437. Fuchs, T. W., J. A. Harding and T. Dupnik. 1973. Sugarcane borer control on sugarcane in the Lower Rio Grande Valley of Texas with aerially applied chemicals. J. Econ. Entomol. 66(3):802-3.

438. Fuchs, T. W., J. A. Harding and J. W. Smith, Jr. 1979. Induction and termination of diapause in the sugarcane borer. Ann. Entomol. Soc. Am. 72(2):271-4.

439. Fuchs, T. W., F. R. Huffman and J. A. Harding. 1979. Evaluation of insecticides for sugarcane borer control on sugarcane in Texas. Progress Report, Tex. Agric. Exp. Stn. PR-3545. 2 pp. [CAB Abstr.]

440. Fuchs, T. W., F. R. Huffman and J. W. Smith, Jr. 1979. Introduction and establishment of Apanteles flavipes (Hym.: Braconidae) on Diatraea saccharalis (Lep.: Pyralidae) in Texas. Entomophaga. 24(2):109-14. [CAB Abstr.]

441. Fuentes Jiménez, R. 1973. Diptera parasitising Lepidopterous larvae in some municipalities in the Cauca Valley. Acta Agron. 23(1/2):7-50. [Rev. Appl. Entomol. 64:3540.]

442. Galichet, P. F. 1971. Introduction and rearing of Apanteles flavipes Cameron (Hym. Braconidae) in the French West Indies. Rev. Peruana Entomol. 14(2):373-5. [Rev. Appl. Entomol. 63:2484.]

443. Galichet, P. F. 1972. Contribution to the study of three Pyralids of sugar cane belonging to the neotropical genus Diatraea Guilding. Ann. Zool., Ecol. Anim. 4(1):55-63. [Rev. Appl. Entomol. 62:2284.]

444. Galichet, P. F. 1972. The rearing of Apanteles flavipes Cameron (Hym. Braconidae) in the laboratory on two species of the genus Diatraea Guild. (Lep. Pyralidae). Ann. Zool., Ecol. Anim. 4(2):255-9. [Rev. Appl. Entomol. 62:3064.]

445. Galichet, P. F. 1975. The balance between the populations of the Tachinid parasites of the genus Diatraea in Guadeloupe (French Antilles). Ann. Soc. Entomol. France. 11(4):791-807. [Rev. Appl. Entomol. 64:6668.]

446. Gallo, D. 1951. The introduction of Lixophaga diatraeae into the new world. Rev. Agric. [Piracicaba]. 26(3/4):117-26. [Biol. Abstr. 26:13429.]

447. Gallo, D. 1954. Infestation of borer in the chief varieties of sugarcane. Rev. de Agric. [Piracicaba]. 29:149-55. [Bibl. Agric. 18:96371.]

448. Gallo, D. 1956. Practical and economic method for laboratory rearing of parasites of Diatraea saccharalis (preliminary note). Rev. de Agric. [Piracicaba]. 31: 139-40. [Bibl. Agric. 20:88776.]

449. Gallo, D. 1965. Study of the sugarcane borer Diatraea saccharalis. An. Escol. Super. Agric. Luiz Queiroz Univ. Sao Paulo. (22):183-94. [Biores. Index 4: 13549.]

450. Gallo, D. and E. Berti Filho. 1975. Rearing of Paratheresia claripalpis van der Wulp, 1896 (Diptera, Tachinidae), on larvae of Galleria mellonella (Linnaeus, 1758) (Lepidoptera, Galleriidae). An. Soc. Entomol. Brazil. 4(1): 38-42. [Bibl. Agric. 41:113082.]

451. Gallo, D., E. Berti-Filho, G. J. de Morais and H. J. Castilho. 1977. Evolution of biological control of the sugarcane borer, Diatraea spp. (Lepidoptera:Pyralidae) in Brazil. Proc. I.S.S.C.T. 16:603-15.

452. Gallo, D., F. M. Wiendl, R. N. Williams and E. Berti Filho. 1970. Method of artificial rearing of the sugar-cane borer for use in its control. Brazilian Soc. Entomol. Summaries of the 2nd Ann. Meeting, Recife, Pernambuco, Brazil, 1-6 Dec. 1969. pp. 4-5. [Rev. Appl. Entomol. 59:3800.]

453. Gallun, R. L., K. J. Starks and W. D. Guthrie. 1975. Plant resistance to insects attacking cereals. Ann. Rev. Entomol. 20:337-57. [Biores. Index 11:56166.]

454. Gantt, C. W., F. D. Brewer and D. F. Martin. 1978. Modified facility for host and parasitoid rearing. U.S. Dep. Agric. Tech. Bull. 1576. pp. 70-2. [Bibl. Agric. 42:096011.]

455. Gantt, C. W., E. G. King and D. F. Martin. 1974. A device for dispensing larvae of Lixophaga diatraeae. J. Econ. Entomol. 67(6):795-7. [Rev. Appl. Entomol. 63:5032.]

456. Gemignani, E. V. 1949. An enemy of sugarcane, the sugarcane borer. Chacra. 19(223):110-1. [Bibl. Agric. 13:70717.]

457. Gifford, J. R. 1965. Goniozus indicus as a parasite of the sugarcane borer. J. Econ. Entomol. 58 (4):799-800. [Rev. Appl. Entomol. 53:565.]

458. Gifford, J. R. and G. A. Mann. 1967. Biology, rearing, and a trial release of Apanteles flavipes in the Florida Everglades to control the sugar cane borer. J. Econ. Entomol. 60(1):44-7. [Rev. Appl. Entomol. 55:1205.]

459. Gómez Alvarez, F. 1946. Brief notes about the sugarcane borer. Agro. (Rl Valle). 1(1):17-9. [Bibl. Agric. 11:4364.]

460. Gowdey, C. C. 1921. Annual report of the government entomologist. Ann. Rep. Jamaica Dep. Agric., 1920, Kingston. pp. 25-7. [Rev. Appl. Entomol. 10:166-7.]

461. Gowdey, C. C. 1924. Report of the government entomologist. Ann. Rep. Dep. Agric., Jamaica, 1923. pp. 20-2. [Rev. Appl. Entomol. 12:442-3.]

462. Gowdey, C. C. 1925. Report of government entomologist. Jamaica: Ann. Rep. Dep. Sci. Agric. 1924. pp. 17-20. [Rev. Appl. Entomol. 14:147-9.]

463. Gowdey, C. C. 1926. Jamaican insect catalog. Dep. Agric. Jamaica, Entomol. Bull. 4, pt. 1-2. 4:114; 14: 10 pp. [Rev. Appl. Entomol. 15:52.]

464. Gowdey, C. C. 1926. Report of the government entomologist. Jamaica: Ann. Rep. Dep. Agric. 1925. pp. 10-2. [Rev. Appl. Entomol. 14: 497.]

465. Gowdey, C. C. 1927. Report of the government entomologist. Jamaica: Ann. Rep. Dep. Agric. 1926. 16-7. [Rev. Appl. Entomol. 15:662-3.]

466. Graca, L. R. 1976. Economic estimate of crop losses caused by the complex of sugarcane borers and stem rot in Brazil. Bras. Acucar. 88(1):12-34. [Bibl. Agric. 41: 032041.]

467. Greaves, C. 1945. A new parasite of the sugar cane borer (Diatraea spp.) in Venezuela. 3ª. Conferencia Interamer. Agric. Caracas. 50:5-54. [Biol. Abstr. 23:27649.]

468. Green, F. S. 1946. The number one enemy of farms and plantations, the sugarcane borer (Diatraea saccharalis saccharalis Fabr.). Control de Plagas. 8:67-8. [Bibl. Agric. 9:9504.]

469. Grenier, S., G. Bonnot, B. Delobel and P. Laviolette. 1978. Development of the parasitoid Lixophaga diatraeae (Towns.) (Diptera, Tachinidae) in an artificial medium. Procurement of the imago, starting from the egg. Comptes Rendus Hebdomadaires des Seances de l'Academie des Sciences, D. 287(5):535-8. [CAB Abstr.]

470. Guagliumi, P. 1959. Actual situation of entomology of sugar cane in Venezuela. Proc. I.S.S.C.T. 10:1000-11.

471. Guerra, M. de S. 1974. Methods and recommendations for mass rearing of the natural enemies of the sugarcane borer (Diatraea spp.) (Lepidoptera:Crambidae). Proc. I.S.S.C.T. 15:397-406. [Rev. Appl. Entomol. 64:251.]

472. Guimaraes, J. H. 1975. Three new records of Tachinidae (Diptera) attacking Diatraea spp. (Lepidoptera, Pyralidae) in Brazil, with description of a new species. Rev. Bras. Entomol. 19(3):127-32. [Bibl. Agric. 40:071789.]

473. Guyton, T. L. 1918. Stalk borers. Farm practices that aid in destroying the pests. Mon. Bull. Ohio Agric. Exp. Stn.,Wooster, 32. pp. 244-6. [Rev. Appl. Entomol. 7:147.]

474. Haley, W. E., W. J. McCormick, L. J. Charpentier, A. L. Dugas and E. J. Concienne. 1956. Borers surviving the winter and prospects for the 1956 infestation in Louisiana. Sugar B. 34:190. [Bibl. Agric. 20:52072.]

475. Hammond, A. M. Jr. 1967. Bioassay and field evaluation of the sex attractant in Diatraea saccharalis (F.). Dissertation. La. State Univ., Baton Rouge. 98 pp.

476. Hammond, A. M. and S. D. Hensley. 1970. A bioassay for the sex attractant in the sugarcane borer. Ann. Entomol. Soc. Am. 63(1):64-6.

477. Hammond, A. M. and S. D. Hensley. 1971. Field and laboratory studies of sex attraction in the sugarcane borer. Sugarcane Pathol. Newslett. (6):8-9.

478. Hammond, A. M. and S. D. Hensley. 1971. The sugarcane borer sex attractant. Entomophaga. 16(2): 150-64.

479. Hammond, A. M. and B. F. Oliver. 1971. A sex pheromone in rice stalk borer. Ann. Entomol. Soc. Am. 64(6):1469-70. [Bibl. Agric. 36:031730.]

480. Harland, S. C. 1915. Notes on Trichogramma minutum (pretiosa). West Indian Bull., Barbados. 15(3): 168-75. [Rev. Appl. Entomol. 4:321.]

481. Harland, S. C. 1916. Report of the assistant superintendent of agriculture on the entomological and mycological work carried out during the season under review. Rep. Dep. Agric., St. Vincent, 1915-16, Barbados. pp. 7-34. [Rev. Appl. Entomol. 5:168-9.]

482. Hartley, G. G., C. W. Gantt, E. G. King and D. F. Martin. 1977. Equipment for mass rearing of the greater wax moth and the parasite Lixophaga diatraeae. U.S. Dep. Agric., Agric. Res. Serv. ARS-S-164. 4 pp. [CAB Abstr.]

483. Hayward, K. J. 1941. Department of entomology (report for 1940 of the Tucumán experiment station). Rev. industr. agric. Tucumán. 31(1-3):50-8. [Rev. Appl. Entomol. 30:166-7.]

484. Hayward, K. J. 1942. The sugarcane borer, Diatraea saccharalis (Fabricius). Rev. Indust. Agric. Tucuman. 32(10-12):315-25. [Biol. Abstr. 18:1725.]

485. Hayward, K. J. 1943. The borer of sugarcane (Diatraea saccharalis (Fabricius)) in Tucumán. Bol. Estac. exp. agric. Tucumán. (38): 25 pp. [Rev. Appl. Entomol. 32:13.]

486. Hayward, K. J. 1943. The borer of sugarcane (Diatraea saccharalis (Fabricius)) in Tucumán. Rev. industr. agric. Tucumán. 32(10-12):315-25. [Rev. Appl. Entomol. 32:13.]

487. Hayward, K. J. 1943. The sugarcane borer. Brasil Acucareiro. 22:311-6. [Bibl. Agric. 4: 20601.]

488. Hayward, K. J. 1943. The sugarcane borer, Diatraea saccharalis (Fabricius). Estac. Exp. Agric. Tucuman Circ. 115. [Biol. Abstr. 18:1725.]

489. Hayward, K. J. 1944. Department of entomology (report for 1943 of the Tucumán experiment station). Rev. industr. agric. Tucumán. 34(7-12):151-65. [Rev. Appl. Entomol. 35:65-6.]

490. Hedemann, W. von. 1894. Contributions on knowledge of Microlepidopteren-Fauna von Dänisch-Westindien. Ent. Zeit. Stettin. 55:298. [Zool. Records 31:416.]

491. Hensley, S. D. 1960. A comparative study of the immature stages of three species of the Diatraea complex. Dissertation. Okla. State Univ., Stillwater. 89 pp.

492. Hensley, S. D. 1967. Research on sugarcane borer sex attractant. Sugar J. 29:40-3.

493. Hensley, S. D. 1969. Current status of sugarcane borer control in Louisiana. Proc. A.S.S.C.T. 16: 39-60.

494. Hensley, S. D. 1971. Control of the sugarcane borer, Diatraea saccharalis (F.), in Louisiana. Proc. I.S.S.C.T. 14:454-61.

495. Hensley, S. D. 1971. Management of sugarcane borer populations in Louisiana, a decade of change. Entomophaga. 16(1):133-46.

496. Hensley, S. D. 1972. Management of sugarcane borer populations in Louisiana a decade of change. Proc. Tall Timbers Conf. Ecol. Animal Control Habitat Management, No. 3, 25-27 February 1971, Tallahassee, Fla. pp. 209-10. [Biores. Index 8:53858.]

497. Hensley, S. D. and E. J. Concienne. 1966. Comparison of granular and spray formulations of insecticides for control of the sugarcane borer. Sugar Bull. 45:26-30.

498. Hensley, S. D. and L. Davis. 1966. Control of the sugarcane borer with low-volume concentrates of insecticides. Sugar Bull. 45:86-8.

499. Hensley, S. D. and A. M. Hammond, Jr. 1968. Laboratory techniques for rearing the sugarcane borer on an artificial diet. J. Econ. Entomol. 61(6):1742-3.

500. Hensley, S. D. and W. H. Long. 1969. Differential yield responses of commercial sugarcane varieties to sugarcane borer damage. J. Econ. Entomol. 62:620-2.

501. Hensley, S. D. and L. F. Martorell. 1969. Comparison of growth and development of sugarcane borer larvae from Puerto Rico and Louisiana. J. Agr. Univ. Puerto Rico. 53:147-8.

502. Hensley, S. D. and W. J. McCormick. 1964. Granular versus spray formulations of endrin for control of the sugarcane borer in Louisiana. J. Econ. Entomol. 57(2):219-20.

503. Hensley, S. D., H. P. Fanguy and M. J. Giamalva. 1977. The role of varietal resistance in control of the sugarcane borer, Diatraea saccharalis (F.) in Louisiana. Proc. I.S.S.C.T. 16(1):517-22.

504. Hensley, S. D., E. J. Concienne, W. J. McCormick and L. J. Charpentier. 1967. Azodrin, a new promising insecticide for control of the sugarcane borer in Louisiana. Sugar Bull. 45:110-4.

505. Hensley, S. D., E. J. Concienne, W. J. McCormick and L. J. Charpentier. 1968. Recent developments in insecticidal control of the sugarcane borer in Louisiana. Proc. I.S.S.C.T. 13:1365-8.

506. Hensley, S. D., G. R. Gaudin, T. E. Reagan and J. W. Sanford. 1979. Sugarcane borer control, 1977. Insecticide and Acaricide Tests. 4:166.

507. Hensley, S. D., W. H. Long, E. J. Concienne and W. J. McCormick. 1963. Control of first-generation sugarcane borer populations in Louisiana. J. Econ. Entomol. 56(3): 407-9.

508. Hensley, S. D., W. H. Long, W. J. McCormick and E. J. Concienne. 1961. Sugarcane borer populations in endrin-treated fields. Sugar Bull. 39:150-1.

509. Hensley, S. D., W. J. McCormick, W. H. Long and E. J. Concienne. 1961. Field tests with new insecticides for control of the sugarcane borer in Louisiana in 1959. J. Econ. Entomol. 54(6):1153-4.

510. Hensley, S. D., W. H. Long , L. R. Roddy, W. J. McCormick and E. J. Concienne. 1961. Effects of insecticides on the predaceous arthropod fauna of Louisiana sugarcane fields. J. Econ. Entomol. 54(1):146-9.

511. Herrera A., J. and E. Iman A. 1976. Damage by Diatraea saccharalis Fabr. in rice-fields in Piura. Revista Peruana de Entomologia. 19(1):73-8. [Rev. Appl. Entomol. 67:1065.]

512. Hinds, W. E. 1926. Department of entomology. Ann. Rep. Agric. Exp. Stn. La. State Univ. Agric. Mech. Coll. 1925. pp. 19-27. [Rev. Appl. Entomol. 14:491-2.]

513. Hinds, W. E. 1929. Preliminary studies regarding physical qualities and distribution of sodium silicofluoride dusts. J. Econ. Entomol. 22(5):768-73. [Rev. Appl. Entomol. 18:65.]

514. Hinds, W. E. 1932. Methods of studying the abundance of Diatraea saccharalis in Louisiana. Proc. I.S.S.C.T. 4: Bull. 114, 5 pp.

515. Hinds, W. E. 1932. Review of five seasons work in Louisiana in controlling the sugar-cane moth borer by field colonizations of its egg parasite Trichogramma minutum Riley. 5th Int. Congr. Entomol. pp. 557-72.

516. Hinds, W. E. 1934. Sugar cane borer hibernation and the effects of various methods of trash disposal upon the survival of the borers therein. Sugar Bull. 12(7):3-5. [Rev. Appl. Entomol. 22:653.]

517. Hinds, W. E. and B. A. Osterberger. 1932. Results of Trichogramma colonization on sugarcane borer damage in Louisiana in 1931. J. Econ. Entomol. 25(1): 57-64.

518. Hinds, W. E. and B. A. Osterberger. 1932. Sugarcane borer control by field colonization of Trichogramma minutum in Louisiana. Proc. I.S.S.C.T. 4: Bull. 52, 6 pp.

519. Hinds, W. E. and B. A. Osterberger. 1933. Sugarcane borer effect upon value of seed cane. La. Agric. Exp. Stn. Bull. 240. 11 pp.

520. Hinds, W. E. and B. A. Osterberger. 1935. Recommendations for control of the sugarcane borer in Louisiana. La. Agric. Exp. Stn. Bull. 267. pp. 12-6.

521. Hinds, W. E. and B. A. Osterberger. 1935. Recommendations for control of the sugarcane borer in Louisiana. Proc. I.S.S.C.T. 5:476-83.

522. Hinds, W. E. and B. A. Osterberger. 1936. Light borer occurrence in 1935. Exp. Stn. Rec. 74(3):374. [Rev. Appl. Entomol. 24:461.]

523. Hinds, W. E. and B. A. Osterberger. 1936. Light borer occurrence in 1935. Sugar Bull. 13(24):22, 24. [Rev. Appl. Entomol. 24:461.]

524. Hinds, W. E. and H. Spencer. 1927. Airplane dusting for sugarcane borer control in Louisiana. J. Econ. Entomol. 20(2):352-8.

525. Hinds, W. E. and H. Spencer. 1927. Insecticidal control for sugarcane borer. La. Agric. Exp. Stn. Bull. 201. 56 pp.

526. Hinds, W. E. and H. Spencer. 1927. Sugarcane borer control aided through utilization of infested and trap corn. La. Agric. Exp. Stn. Bull. 198. 26 pp.

527. Hinds, W. E. and H. Spencer. 1928. Can we increase the usefulness of the egg parasite Trichogramma minutum Riley? 4th Int. Congr. Entomol. 2: 1029-35.

528. Hinds, W. E. and H. Spencer. 1928. Insecticidal control for the sugarcane borer. J. Econ. Entomol. 21(1): 193-8.

529. Hinds, W. E. and H. Spencer. 1928. Utilization of Trichogramma minutum for control of the sugarcane borer. J. Econ. Entomol. 21(2):273-8.

530. Hinds, W. E. and H. Spencer. 1929. Trichogramma experiments in 1928 for control of the sugarcane borer. J. Econ. Entomol. 22(4):633-6. [Rev. Appl. Entomol. 17:720.]

531. Hinds, W. E. and H. Spencer. 1930. Borer control by the egg parasite, Trichogramma minutum. Sugar Bull. 8(7):6-8. [Rev. Appl. Entomol. 19:176.]

532. Hinds, W. E. and H. Spencer. 1930. Progress in the utilization of Trichogramma minutum in cane borer control in Louisiana during 1929. J. Econ. Entomol. 23(1):121-7. [Rev. Appl. Entomol. 18:393-4.]

533. Hinds, W. E., B. A. Osterberger and A. L. Dugas. 1933. Review of six seasons work in Louisiana in controlling the sugar cane moth borer by field colonizations of its egg parasite Trichogramma minutum Riley. La. Agric. Exp. Stn. Bull. 235. 36 pp.

534. Hinds, W. E., B. A. Osterberger and A. L. Dugas. 1933. Sugar cane borer control by Trichogramma colonization in Louisiana in 1932. J. Econ. Entomol. 26(4):758-67. [Biol. Abstr. 9:7665.]

535. Hinds, W. E., B. A. Osterberger and A. L. Dugas. 1934. Sugar cane borer control by Trichogramma in Louisiana, 1933. J. Econ. Entomol. 27(4):788-95. [Rev. Appl. Entomol. 22:663.]

536. Hinds, W. E., B. A. Osterberger and A. L. Dugas. 1934. Sugar cane moth borer control by Trichogramma minutum Riley report on experimental work for 1933. La. Agric. Exp. Stn. Bull. 248. 34 pp.

537. Hines, C. W. 1920. Diseases, insects, and plant pests of the sugar-cane in the Philippine Islands. Philippine Agric. Rev.,Manila. 11(4)(1918):275-7. [Rev. Appl. Entomol. 9:150.]

538. Hoffmann, H. 1971. The duration of development of the larvae and pupae of Lixophaga diatraeae (Town.) in relation to temperature. Rev. Peruana Entomol. 14(2):320-2. [Rev. Appl. Entomol. 63:2479.]

539. Holloway, T. E. 1912. Insects liable to dissemination in shipments of sugar cane. U.S. Dep. Agric. Bur. Entomol. Circ. 165. 8 pp.

540. Holloway, T. E. 1912. The work being done on sugar cane insects in the United States. La. Planter Sugar Manuf. 49:431-2.

541. Holloway, T. E. 1913. Field observations on sugar-cane insects in the United States in 1912. U.S. Dep. Agric. Bur. Entomol. Circ. 171. 8 pp.

542. Holloway, T. E. 1913. The prospect of controlling the sugar-cane borer more efficiently. La. Planter Sugar Manuf., New Orleans, La. 51(25):416. [Rev. Appl. Entomol. 2:279.]

543. Holloway, T. E. 1914. The borer problem: two years' experiments in not burning cane trash. La. Planter Sugar Manuf. 53:397-8.

544. Holloway, T. E. 1915. Fighting the sugar cane borer with parasites and poisons. La. Planter Sugar Manuf. 55:397-8.

545. Holloway, T. E. 1916. Larval characters and distribution of two species of Diatraea. J. Agric. Res. 6(16):621-6.

546. Holloway, T. E. 1916. Moving lights versus stationary lights in phototropism experiments. J. Econ. Entomol. 9(6):570-1. [Rev. Appl. Entomol. 5:116.]

547. Holloway, T. E. 1919. Parasite introduction as a means of saving sugar. J. Econ. Entomol. 12(2): 175-8.

548. Holloway, T. E. 1920. Establishing the cane borer parasite from Cuba on Louisiana plantations. La. Planter Sugar Manuf., New Orleans. 64(1):11. [Rev. Appl. Entomol. 8:169.]

549. Holloway, T. E. 1921. The European corn borer and the sugar cane moth borer: a comparison. J. Econ. Entomol. 14(6):481-5. [Rev. Appl. Entomol. 10:190.]

550. Holloway, T. E. 1922. The control of the sugar cane borer. Separate from Facts about Sugar, New York. 14(23): 1 p. [Rev. Appl. Entomol. 10:458-9.]

551. Holloway, T. E. 1922. The sugar cane moth borer in south Mississippi. Qtrly. Bull. State Pl. Bd. Mississippi. 2(3):4-8. [Rev. Appl. Entomol. 11:110.]

552. Holloway, T. E. 1923. Methods of controlling sugar cane insects. La. Planter Sugar Manuf. 70(22): 464-5. [Rev. Appl. Entomol. 11: 392-3.]

553. Holloway, T. E. 1923. Sugar cane insects in 1922. Facts about Sugar, New York. pp. 72-3. [Rev. Appl. Entomol. 11:254.]

554. Holloway, T. E. 1923. Sugar cane insects in 1922. La. Planter Sugar Manuf. 70(4):10-1.

555. Holloway, T. E. 1927. Parasites of the moth stalkborer. Proc. I.S.S.C.T. 2:67-8.

556. Holloway, T. E. 1928. Local conditions as influencing recommendations for the control of sugar-cane insects. 4th Int. Congr. Entomol. 2:448-51.

557. Holloway, T. E. 1928. Parasites of the sugar cane moth borer, and their introduction into Louisiana. La. Planter Sugar Manuf. 80:241-2.

558. Holloway, T. E. 1929. The sugar cane moth borer and its control in Mississippi. Qtrly. Bull. Miss. Pl. Bd. 8(4):7-11. [Rev. Appl. Entomol. 17:523.]

559. Holloway, T. E. 1933. A method of avoiding the destruction of Trichogramma in sugarcane fields. J. Econ. Entomol. 26(5):974-7. [Rev. Appl. Entomol. 21:656.]

560. Holloway, T. E. 1935. Borer control by breeding sugar cane for resistance. Sugar Bull. 13(11): 3-4, 6. [Rev. Appl. Entomol. 23: 276-7.]

561. Holloway, T. E. 1938. Introductions and recoveries of parasites of sugarcane insects in continental United States. Proc. I.S.S.C.T. 6:258-63.

562. Holloway, T. E. 1948. Thoughts on the control of the sugarcane borer. Sugar J. 11(4):5-6. [Bibl. Agric. 12:73705.]

563. Holloway, T. E. 1950. Louisiana's greatest need. Sugar. 45(6):37-8. [Bibl. Agric. 14:62591.]

564. Holloway, T. E. and W. E. Haley. 1924. Suggestions for the control of the sugar-cane moth borer. Facts about Sugar. New York. [Rev. Appl. Entomol. 12:318-9.]

565. Holloway, T. E. and W. E. Haley. 1924. Suggestions for the control of the sugar-cane moth borer. Louisiana Planter & Sugar Mftrer. [Rev. Appl. Entomol. 12:318-9.]

566. Holloway, T. E. and W. E. Haley. 1927. Factors influencing the abundance of the sugar cane moth borer. Facts about Sugar. 22(2): 42-3. [Rev. Appl. Entomol. 15: 186.]

567. Holloway, T. E. and W. E. Haley. 1927. Moth borer damage to different varieties of sugar cane. J. Econ. Entomol. 20(5):703-5. [Rev. Appl. Entomol. 16:122.]

568. Holloway, T. E. and W. E. Haley. 1928. A cooperative estimate of the loss caused by the sugar-cane moth borer. J. Econ. Entomol. 21(6):852-4. [Rev. Appl. Entomol. 17:178.]

569. Holloway, T. E. and U. C. Loftin. 1919. Insects attacking sugar cane in the United States. J. Econ. Entomol. 12(6):448-50. [Rev. Appl. Entomol. 8:78-9.]

570. Holloway, T. E. and U. C. Loftin. 1919. The sugar-cane moth borer. U.S. Dep. Agric. Bull. 746. 74 pp.

571. Holloway, T. E. and R. Mathes. 1940. The Amazon fly, Metagonistylum minense, a parasite of the sugarcane borer. J. Econ. Entomol. 33(5):738-42. [Biol. Abstr. 15:1567.]

572. Holloway, T. E. and R. D. Rands. 1932. Sugarcane insect pests and diseases with special reference to United States plant quarantines. J. Econ. Entomol. 25(3):461-70.

573. Holloway, T. E., W. E. Haley and E. K. Bynum. 1932. Receiving parasites of the sugarcane borer in Louisiana. J. Econ. Entomol. 25(1): 68-71. [Rev. Appl. Entomol. 20: 287.]

574. Holloway, T. E., W. E. Haley and J. W. Ingram. 1928. The application of sodium fluosilicate by airplane in an attempt to control the sugar-cane moth borer. U.S. Dep. Agric. Circ. 45. 8 pp.

575. Holloway, T. E., W. E. Haley, U. C. Loftin and C. Heinrich. 1928. The sugar-cane moth borer in the United States. U.S. Dep. Agric. Tech. Bull. 41. 7 pp.

576. Holloway, T. E., et al. 1927. Insect pests of sugar cane (including utilization of parasites). Proc. I.S.S.C.T 2:57-62. [Biol. Abstr. 4:1751.]

577. Hostounsky, Z. 1971. Mites of the genus Pyemotes parasitizing insect nests on a large scale. Ser. Poeyana Inst. Biol. Acad. Cienc. Cuba. 85: 1-4. [Biol. Abstr. 55:60898.]

578. Howard, L. O. 1891. The larger corn stalk-borer. Ins. Life. 4: 95-103. [Zool. Records 28:418.]

579. Howard, L. O. 1919. Report of the entomologist. U.S. Dep. Agric. Bur. Entomol., Washington, D.C. 27 pp. [Rev. Appl. Entomol. 8: 93-7.]

580. Howard, L. O. 1920. Report of the entomologist. U.S. Dep. Agric., Bur. Entomol., Washington, D.C. 36 pp. [Rev. Appl. Entomol. 9:110-4.]

581. Howard, L. O. 1921. Report of the entomologist. U.S. Dep. Agric., Washington, D.C. 33 pp. [Rev. Appl. Entomol. 10:171-4.]

582. Howard, L. O. 1923. Report of the entomologist. U.S. Dep. Agric. 37 pp. [Rev. Appl. Entomol. 12:165-7.]

583. Howard, L. O. 1924. Report of the entomologist. U.S. Dep. Agric. 30 pp. [Rev. Appl. Entomol. 13:127-30.]

584. Howard, L. O. 1927. Report of the entomologist. U.S. Dep. Agric., Washington, D.C. 29 pp. [Rev. Appl. Entomol. 17:272-5.]

585. Hrdý, I., J. Zelený and K. Novák. 1967. Comparison of the effectiveness of endrin and trichlorphon in an artificial diet for the control of the larvae of Diatraea saccharalis (Fabricius). Poeyana (Ser. A). (36): 10 pp. [Rev. Appl. Entomol. 56:1779.]

586. Hrdý, I., J. Zelený and K. Novák. 1967. Effect of endrin and trichlorfon applied in artificial diet against larvae of sugar-cane borer Diatraea saccharalis (F.) (Lep. Pyralidae). Acta entomol. bohemoslov. 64(fasc.4):243-7. [Rev. Appl. Entomol. 57:779.]

587. Hrdý, I., J. Jacič, K. Novák, Z. Růžička, V. Vallo, L. Weismann and J. Zelený. 1968. The sugar-cane borer, Diatraea saccharalis (Lep., Pyralidae), in Cuba. Acta entomol. bohemoslov. 65(pt. 6):436-57. [Rev. Appl. Entomol. 58:2501.]

588. Hrdý, I., J. Jasič, K. Novák, Z. Růžička, V. Vallo, L. Weismann and J. Zelený. 1969. The sugar-cane borer, Diatraea saccharalis (Lepidoptera, Pyralidae), in Cuba. II. Natural limitation, biological control and contribution to the methods of population density estimation. Acta entomol. bohemoslov. 66(pt. 5):255-65. [Rev. Appl. Entomol. 59:2725.]

589. Hummelen, P. J. 1974. Relations between two rice borers in Surinam, Rupela albinella (Cr.) and Diatraea saccharalis (F.), and their hymenopterous larval parasites. H. Veenman & Zonen B. V., Wageningen, The Netherlands. 88 pp.

590. Hutson, J. C. 1917. Insect pests in British Guiana in 1916. Agric. News, Barbados. 16(400):266-7. [Rev. Appl. Entomol. 5:534-5.]

591. Hynes, H. B. N. 1942. Lepidopterous pests of maize in Trinidad. Trop. Agric. 19(10):194-202. [Rev. Appl. Entomol. 31:258-9.]

592. Incio Paredes, C. 1968. Biological control in the rice crop. Boletin, Republica Peruana, Ministerio de Agricultura 18. 9 pp. [Rev. Appl. Entomol. 61:1137.]

593. Ingram, J. W. 1927. Insects injurious to the rice crop. U.S. Dep. Agric. Farmers' Bull. 1543. 16 pp. [Rev. Appl. Entomol. 16: 385-7.]

594. Ingram, J. W. 1940. A summary of the sugarcane insect investigations conducted at the Houma laboratory of the Federal Bureau of Entomology and Plant Quarantine during 1939. Sugar Bull. 19(4):4-6. [Biol. Abstr. 15:20033.]

595. Ingram, J. W. 1943. Measures available for the control of sugarcane insect pests in the effort to increase wartime sugar production. Sugar Bull. 21(9): 68-70. [Biol. Abstr. 17:19226.]

596. Ingram, J. W. 1944. Tests of DDT dust against the sugarcane borer, the yellow sugarcane aphid, and the Argentine ant. J. Econ. Entomol. 37(1):144-5. [Biol. Abstr. 18:17961.]

597. Ingram, J. W. and E. K. Bynum. 1941. The sugarcane borer. U.S. Dep. Agric. Farmers' Bull. 1884. 17 pp.

598. Ingram, J. W. and E. K. Bynum. 1950. Comparison of ryania and cryolite for control of the sugarcane borer in Louisiana. Sugar B. 28:181, 189-90. [Bibl. Agric. 14: 38923.]

599. Ingram, J. W. and A. L. Dugas. 1941. A summary of recent investigations of sugarcane borer control with cryolite and other insecticides. Sugar Bull. 20(4):27-9. [Biol. Abstr. 16:15490.]

600. Ingram, J. W. and A. L. Dugas. 1942. A summary of recent investigations of sugarcane borer control with cryolite and other insecticides. La. Agric. Exp. Stn. Bull. 350. pp. 34-9.

601. Ingram, J. W. and A. L. Dugas. 1944. Sugarcane borer experiments. Sugar Bull. 22(11):84-7. [Biol. Abstr. 18:12042.]

602. Ingram, J. W. and A. L. Dugas. 1946. Losses resulting from sugarcane borer injury to sugarcane in 1945. Sugar Bull. 25:10-1. [Bibl. Agric. 10:10333.]

603. Ingram, J. W. and L. O. Ellisor. 1938. Borer injury to sugarcane in Louisiana in 1936. La. Agric. Exp. Stn. Bull. 298. pp. 17-9.

604. Ingram, J. W. and L. O. Ellisor. 1940. Varietal susceptibility of cane to sugarcane borer injury in 1937. La. Agric. Exp. Stn. Bull. 323. pp. 34-6.

605. Ingram, J. W., E. K. Bynum and L. J. Charpentier. 1947. Effect of 2,4-D on sugarcane borer. J. Econ. Entomol. 40(5):745-6. [Rev. Appl. Entomol. 37:256.]

606. Ingram, J. W., E. K. Bynum and L. J. Charpentier. 1947. Tests with new insecticides for control of the sugarcane borer. J. Econ. Entomol. 40(6):779-81. [Rev. Appl. Entomol. 37:285-6.]

607. Ingram, J. W., E. K. Bynum and L. J. Charpentier. 1948. Experiments with insecticides against the sugarcane borer in 1947. J. Econ. Entomol. 41(6):914-8. [Rev. Appl. Entomol. 38:61-2.]

608. Ingram, J. W., E. K. Bynum and R. Mathes. 1950. Insect pests of sugar cane in continental United States. Proc. I.S.S.C.T. 7: 395-401.

609. Ingram, J. W., T. E. Holloway and J. W. Wilson. 1940. Recent developments in biological control of Diatraea saccharalis in the continental United States. Proc. 6th Pacif. Sci. Congr. 1939. 4:359-63. [Rev. Appl. Entomol. 31:291.]

610. Ingram, J. W., H. A. Jaynes and R. N. Lobdell. 1938. Sugarcane pests in Florida. Proc. I.S.S.C.T. 6: 89-98.]

611. Ingram, J. W., E. K. Bynum, L. J. Charpentier and W. E. Haley. 1951. Introduction of the sugarcane borer egg parasite, Telenomus alecto, in 1950 and the present status of biological control of the borer in Louisiana. Sugar Bull. 30:71-3. [Bibl. Agric. 16:25044.]

612. Ingram, J. W., E. K. Bynum, W. E. Haley and L. J. Charpentier. 1943. Airplane dusting of sugarcane with synthetic cryolite for control of second generation borers. Sugar Bull. 21(17):129-31. [Biol Abstr. 17:22607.]

613. Ingram, J. W., E. K. Bynum, W. E. Haley and L. J. Charpentier. 1945. DDT for control of the sugarcane borer, the rice stinkbug, and a grass webworm. U.S. Dep. Agric. Bur. Entomol. Plant Quarantine Ser. E-647.

614. Ingram, J. W., E. K. Bynum, W. E. Haley and L. J. Charpentier. 1950. Insecticidal control of the sugarcane borer in Louisiana. Proc. I.S.S.C.T. 7:360-73.

615. Ingram, J. W., E. K. Bynum, W. E. Haley and L. J. Charpentier. 1950. The present status of the sugarcane borer in Louisiana and measures for decreasing losses. Sugar B. 28: 163, 171-4. [Bibl. Agric. 14: 38924.]

616. Ingram, J. W., E. K. Bynum, W. E. Haley and L. J. Charpentier. 1950. The sugarcane borer situation in Louisiana. Sugar J. 12(12):12-4. [Biol. Abstr. 25:15301.]

617. Ingram, J. W., E. K. Bynum, T. E. Holloway and R. Mathes. 1942. Recent findings in the control of sugarcane insects at the Houma laboratory of the Bureau of Entomology and Plant Quarantine. Sugar Bull. 20(18):146-8. [Biol. Abstr. 17:3143.]

618. Ingram, J. W., E. K. Bynum, R. Mathes and T. E. Holloway. 1943. Report on research on sugarcane-insect control by the Houma, La. laboratory of the U.S. Bureau of Entomology and Plant Quarantine during 1942. Sugar Bull. 21(24): 208-11. [Biol. Abstr. 18:12041.]

619. Ingram, J. W., R. Mathes, J. W. Wilson and N. C. Hayslip. 1950. Biological control of the sugarcane borer in continental United States. Proc. I.S.S.C.T. 7: 354-60.

620. Ingram, J. W., E. K. Bynum, R. Mathes, W. E. Haley and L. J. Charpentier. 1951. Pests of sugarcane and their control. U.S. Dep. Agric. Circ. 878. 38 pp.

621. International Commission on Zoological Nomenclature. 1961. Opinion 594; saccharivora (Phalaena) Peterkin, 1790 (Insecta, Lepidoptera): suppressed under the plenary powers. B. Zool. Nomencl. 18(2):123-4. [Bibl. Agric. 25: 68355.]

622. Isa, A. L. A. A. 1961. Nutrition and survival of the sugarcane borer on different natural and artificial diets. Thesis. La. State Univ., Baton Rouge. 129 pp.

623. Jackson, R. D. 1975. Modification of pinto bean diet for the sugarcane borer with sugarcane plant parts. Proc. A.S.S.C.T. (2nd Ser.). 5:133.

624. Jackson, R. D. and P. H. Dunckelman. 1974. Relative resistance of Saccharum spontaneum clones to the sugar-cane borer. Proc. I.S.S.C.T. 15:513-5. [Rev. Appl. Entomol. 64:266.]

625. Jackson, R. D. and P. H. Dunckelman. 1974. Relative resistance to Saccharum spontaneum clones to the sugarcane borer. South African Sugar J. 58(5), suppl.: 9. [CAB Abstr.]

626. Jackson, R. D., W. J. McCormick, R. D. Breaux and P. H. Dunckelman. 1971. Evaluation of sugarcane varieties for borer resistance by artificial infestation. Proc. A.S.S.C.T. (2nd Ser.). 1:118-20.

627. James, H. C. 1947. Insect pests of sugar cane. Sug. Est. Overseers Manual Instr. British Guiana. 35 pp. [Rev. Appl. Entomol. 36:304-5.]

628. Jarvis, E. 1916. Notes on insects damaging sugar-cane in Queensland. Queensland Bur. Sugar Exp. Stn., Div. Entomol., Brisbane, Bull. 3. 48 pp. [Rev. Appl. Entomol. 4: 344-6.]

629. Jasič, J. 1967. A contribution to the question of the fecundity of Diatraea saccharalis (Fabricius). Poeyana (Ser. A). (38): 6 pp. [Rev. Appl. Entomol. 56:1781.]

630. Jasič, J. 1967. Influence of temperature conditions on the development of Diatraea saccharalis (Fabricius). Poeyana (Ser. A). (39): 9 pp. [Rev. Appl. Entomol. 56: 1782.]

631. Jasič, J. 1967. Rearing of Diatraea saccharalis Fabricius in the laboratory. Poeyana (Ser. A). (37): 10 pp. [Rev. Appl. Entomol. 56:1780.]

632. Jasic, J. and L. Alvarez Fernández. 1975. On the development and parasitism of the sugar-cane borer during the growing season. Ciencias. 11(15): 16 pp. [Rev. Appl. Entomol. 66:4917.]

633. Jaynes, H. A. 1930. A note on two Hymenopterous parasites of Diatraea saccharalis F. J. Econ. Entomol. 23(5):882. [Rev. Appl. Entomol. 19:103.]

634. Jaynes, H. A. 1930. Notes on Paratheresia claripalpis van der Wulp, a parasite of Diatraea saccharalis Fabr. J. Econ. Entomol. 23(4):676-80. [Rev. Appl. Entomol. 18:677-8.]

635. Jaynes, H. A. 1931. Acrotomopus atropunctellus Boh. in Argentina sugarcane. Ann. Entomol. Soc. Am. 24(3):554-60. [Rev. Appl. Entomol. 20:13.]

636. Jaynes, H. A. 1931. Notes on Paratheresia claripalpis, Van der Wulp, a parasite of Diatraea saccharalis, Fabr. Rev. ind. agric. Tucumán. 21(3-4):63-6. [Rev. Appl. Entomol. 19:680.]

637. Jaynes, H. A. 1932. Collecting parasites of the sugarcane borer in South America. J. Econ. Entomol. 25(1):64-8. [Biol. Abstr. 8: 14117.]

638. Jaynes, H. A. 1933. The parasites of the sugarcane borer in Argentina and Peru, and their introduction into the United States. U.S. Dep. Agric. Tech. Bull. 363. 26 pp.

639. Jaynes, H. A. 1938. Introduction and recovery in Florida and Louisiana of parasites of the sugarcane borer. J. Econ. Entomol. 31(1):93-5. [Rev. Appl. Entomol. 26:390-1.]

640. Jaynes, H. A. 1938. Further attempts to establish Lixophaga diatraeae (Towns.) and other sugarcane borer parasites in Louisiana and Florida, with recoveries in 1936 and 1937. Proc. I.S.S.C.T. 6:245-58.

641. Jaynes, H. A. and E. K. Bynum. 1936. A preliminary report on the use of the egg parasite Trichogramma minutum Riley for the control of the sugarcane borer. Sugar Bull. 14 (19):1-4. [Rev. Appl. Entomol. 25: 16-7.]

642. Jaynes, H. A. and E. K. Bynum. 1941. Experiments with Trichogramma minutum Riley as a control of the sugarcane borer in Louisiana. U.S. Dep. Agric. Tech. Bull. 743. 42 pp. [Rev. Appl. Entomol. 30:117.]

643. Jepson, W. F. 1939. Progress in parasite importation during 1938. Rev. agric. Maurice. (105):82-4. [Rev. Appl. Entomol. 28:303-4.]

644. Jodon, N. E. and J. W. Ingram. 1948. Survey of rice varieties for possible resistance to stalk borers. Rice J. 51(9):28. [Bibl. Agric. 13: 12950.]

645. Johnston, J. R. 1917/18. Some entomogenous fungi of Cuba. Mem. Soc. Cubana Hist. Nat. "Felipe Poey", Havana. 3(2,3):61-82. [Rev. Appl. Entomol. 7:349.]

646. Jones, T. H. 1915. The sugar cane moth stalk-borer (Diatraea saccharalis, Fabr.). Gov. Porto Rico, Bd. Commissioners Agric., Rio Piedras, Bull. 12. 30 pp. [Rev. Appl. Entomol. 3:674.]

647. Jones, T. H. and W. G. Bradley. 1924. Certain wild grasses in relation to injury to corn by the "borer" (Diatraea saccharalis Fab.) in Louisiana. J. Econ. Entomol. 17(3):393-5. [Rev. Appl. Entomol. 12:401.]

648. Joyner, H. L. 1955. Biological control of the sugarcane borer with the larval parasites, Lixophaga diatraeae Towns. and Metagonistylum minense Towns. in Louisiana. Thesis. La. State Univ., Baton Rouge. 101 pp.

649. Junqueira, G. M. 1952. Biological control of the sugarcane borer. Selec. Agric. 7(70):15-6. [Bibl. Agric. 16:52792.]

650. Katiyar, K. P. 1960. Diapause in the sugarcane borer, Diatraea saccharalis (F.). Dissertation. La. State Univ., Baton Rouge. 176 pp. [Diss. Abstr. 21(8):2412.]

651. Katiyar, K. P. and W. H. Long. 1961. Diapause in the sugarcane borer, Diatraea saccharalis. J. Econ. Entomol. 54(2):285-7.

652. Kevan, D. K. McE. 1943. The neotropical cornstalk borer, Diatraea lineolata, Walk., and the sugar-cane moth borer, D. saccharalis (Fabr.), as maize pests in Trinidad, with notes from Grenada. Trop. Agric. 20(9):167-74. [Rev. Appl. Entomol. 32:37-8.]

653. Kevan, D. K. McE. 1944. The bionomics of the neotropical cornstalk borer, Diatraea lineolata, Wlk. (Lep., Pyral.) in Trinidad, B.W.I. Bull. entomol. Res. 35(pt. 1):23-30. [Rev. Appl. Entomol. 32:243-4.]

654. Khan, M. Q. and D. V. Murthy. 1954. A plea for greater attention to internodal borers in sugarcane. Conf. Sugarcane Res. & Devlpmt. Workers Indian Union. Proc. 2:92. [Bibl. Agric. 18:88091.]

655. Khanna, K. L. and K. S. Bandyopadhyay. 1951. Studies in sampling technique. V. Estimation of borer incidence in sugarcane. Indian Acad. Sci. Proc. Sect. B 34:210-9. [Bibl. Agric. 16:52794.]

656. King, E. G. 1977. Use of natural and unnatural hosts for rearing. Frass. 3(2):15-6. [Bibl. Agric. 42:085655.]

657. King, E. G., J. V. Bell and D. F. Martin. 1975. Control of the bacterium Serratia marcescens in an insect host-parasite rearing program. J. Inverteb. Pathol. 26:35-40.

658. King, E. G., F. D. Brewer and D. F. Martin. 1975. Development of Diatraea saccharalis (Lep.: Pyralidae) at constant temperatures. Entomophaga. 20(3):301-6.

659. King, E. G., D. F. Martin and L. R. Miles. 1975. Advances in rearing of Lixophaga diatraea (Dipt.: Tachinidae). Entomophaga. 20(3): 307-11. [Rev. Appl. Entomol. 64: 6666.]

660. King, E. G., L. R. Miles and D. F. Martin. 1976. Some effects of superparasitism by Lixophaga diatraeae of sugarcane borer larvae in the laboratory. Ent. exp. & appl. 20:261-9.

661. King, E. G., G. G. Hartley, D. F. Martin, J. W. Smith, T. E. Summers and R. D. Jackson. 1979. Production of the Tachinid Lixophaga diatraeae on its natural host, the sugarcane borer, and on an unnatural host, the greater wax moth. Advances Agric. Tech., Sci. Educ. Admin., U.S. Dep. Agric. AAT-S-3. 16 pp. [CAB Abstr.]

662. Kirst, L. D. 1973. A study of overwintering populations of Diatraea saccharalis (F.) in Louisiana. Dissertation. La. State Univ., Baton Rouge. 100 pp.

663. Kirst, L. D. and S. D. Hensley. 1974. A study of overwintering populations of Diatraea saccharalis (F.) in Louisiana. Proc. I.S.S.C.T. 15:475-87.

664. Knipling, E. F. 1969. Concept and value of eradication or continuous suppression of insect populations. Proc. Panel Application Sterile-Male Tech. Eradication Control Harmful Sp. Insects Joint FAO/IAEA Div. Atomic Energy Food Agric., Vienna, 27-31 May 1968. pp. 19-32. [Rev. Appl. Entomol. 58:1465.]

665. Knipling, E. F. 1971. Influence of host density on the ability of selective parasites to manage insect populations. Proc. Tall Timbers Conf. Ecol. Animal Control Habitat Management, No. 2, 26-28 Feb. 1970, Tallahassee, Fla. pp. 3-21. [Rev. Appl. Entomol. 60: 1418.]

666. Knipling, E. F. 1972. Simulated population models to appraise the potential for suppressing sugarcane borer populations by strategic releases of the parasite Lixophaga diatraeae. Environ. Entomol. 1(1):1-6.

667. Kopp, A. 1925. Report of the entomologist and phytopathologist. 7ème Rapp. Stn. agron. Guadeloupe, 1924-25. pp. 28-30. [Rev. Appl. Entomol. 14:87-8.]

668. Kopp, A. 1926. The entomology and phytopathology situation. 8me Rapp. Stn. agron. Guadeloupe, 1925-26. pp. 32-8. [Rev. Appl. Entomol. 15:97.]

669. Kopp, A. 1928. The borer of sugar cane in the French Antilles (Diatraea saccharalis). Rev. Bot. appl. 8(87):755-67. [Rev. Appl. Entomol. 17:160.]

670. Kostritxky, L. 1938. The use of micro-organisms in combating insect pests of agriculture. Bol. Direcc. Agric. Ganad. Peru. 9(28-31):81-8. [Rev. Appl. Entomol. 28:279-80.]

671. Kunhi Kannan, K. 1929. The method of controlling the sugar-cane borer by attracting adults to heaps of trash. 4th Int. Cong. Entomol. Ithaca, N.Y. 1928. 2(Trans.): 65-7. [Rev. Appl. Entomol. 18: 325.]

672. Kuno, G. 1975. Preliminary survey of microorganisms associated with some insects in Puerto Rico. J. Agric. Univ. Puerto Rico. 59(1):69-74. [Rev. Appl. Entomol. 64:3137.]

673. Kyle, M. L. Jr. 1968. The effect of varietal resistance in sugarcane on the biology of Diatraea saccharalis (F.). Dissertation. La. State Univ., Baton Rouge. 97 pp. [Diss. Abstr. 29(9): 3350-1B.]

674. Kyle, M. L. and S. D. Hensley. 1970. Sugarcane borer host plant resistance studies. Proc. La. Acad. Sci. 33:55-67.

675. Lamas, C., J. M. 1945. Observations on pests of cotton in the valleys of Chira, Piura, Pativilca, Supe and Huaura. Inf. Estac. exp. agric. La Molina 59. 75 pp. [Rev. Appl. Entomol. 35:75-6.]

676. Lara, F. M., S. Silveira Neto and P. S. M. Botelho. 1975. The height at which some Lepidopterous pests fly as determined with light-traps. Científica. 3(1):127-33. [Rev. Appl. Entomol. 64:4700.]

677. Lara, F. M., S. Silveira Neto, D. Gallo and D. A. Banzatto. 1974. The influence of the phases of the moon on the catch of some pests in light-traps. Cientifica. 2(2): 224-36. [Rev. Appl. Entomol. 63: 3944.]

678. Lara, F. M., A. C. Busoli, G. C. Barbosa Filho, A. Ayala Osuna and D. Percein. 1977. Preference of Diatraea saccharalis (Fabr., 1794) for genotypes of sorghum - Sorghum bicolor (L.) Moench, under field conditions. An. Soc. Entomol. Brazil. 6(1):58-63. [Rev. Appl. Entomol. 67:196.]

679. Latif, A. and M. A. Khan. 1957. Comparative susceptibility of nine new varieties of sugarcane to the attack of borers. Pakistan Sci. Conf. Proc. 9(3):9-10. [Bibl. Agric. 23:33174.]

680. Latson, L. N., G. B. Trahan and S. V. R. Rao. 1976. Evaluation for resistance to rice insects. Annu. Prog. Rep. La. Rice Exp. Stn. 68:125-41. [Bibl. Agric. 42: 030688.]

681. Leiderman, L. 1954. Observations on the susceptibility of five varieties of maize to attack by Heliothis armigera (Hb.) (obsoleta (F.)) and Diatraea sp. Biológico. 20(5): 73-7. [Rev. Appl. Entomol. 43:35.]

682. Leidigh, A. H., G. T. McNess and H. H. Laude. 1916. Japanese sugarcane as a forage crop. Tex. Agric. Exp. Stn., College Station, Bull. 195. 28 pp. [Rev. Appl. Entomol. 5:404.]

683. Lemaire, Y. 1966. Infestation status of sugarcane plantations in Guadeloupe by Diatraea saccharalis--importance of Lixophaga and Metagonistylum parasitism. Proc. 1966 meeting British West Indies Sugar Technologists, Georgetown, Guyana, 17-21 Oct. 1966. 1:304-8. [Rev. Appl. Entomol. 60:955.]

684. Leonard, M. D. 1931. Report of the division of entomology...1929-30. Ann. Rep. Porto Rico Ins. Exp. Stn. Rio Piedras 1929-30. pp. 110-23. [Rev. Appl. Entomol. 19: 693-4.]

685. Leonard, M. D. and F. Seín, Jr. 1932. Observations on some factors which may affect the abundance of Diatraea saccharalis in Porto Rico. Proc. I.S.S.C.T. 4: Bull. 92, 2 pp.

686. Litvin, G. and H. D. C. Villas-Boas. 1975. The influence of temperature on Lixophaga diatraeae (TT, 1916) (Diptera, Tachinidae), parasite of the sugar-cane borer, Diatraea saccharalis (Fabricius, 1794) (Lepidoptera, Crambidae). An. Soc. Entomol. Brazil. 4(1): 33-7. [Rev. Appl. Entomol. 65: 5321.]

687. Llanos, V. V. 1940. Trichogramma minutum Riley in Colombia. Rev. Fac. nac. Agron. (Colombia). 2(4-5):409-10. [Rev. Appl. Entomol. 29:9.]

688. Loftin, U. C. 1931. The P.O.J. canes and insect damage. Proc. 4th Conf. Asoc. Téc. Azuc. Cuba 1930. pp. 52-8. [Rev. Appl. Entomol. 22:184-5.]

689. Long, W. H. 1957. Present outlook in sugarcane insect research. Proc. A.S.S.C.T. 7:42-51.

690. Long, W. H. and E. J. Concienne. 1964. Critical period for controlling the sugarcane borer in sugarcane in Louisiana. J. Econ. Entomol. 57(3):350-3.

691. Long, W. H. and S. D. Hensley. 1972. Insect pests of sugarcane. Ann. Rev. Entomol. 17:149-76.

692. Long, W. H., E. J. Concienne and K. P. Katiyar. 1958. Sugarcane insect investigations in 1957; report to contact committee of the American Sugarcane League. 31 pp. [Bibl. Agric. 23:52212.]

693. Long, W. H., E. J. Concienne and L. D. Newsom. 1957. Sugarcane borer control with ryania, toxaphene and endrin. Ent. Soc. Amer. B. 3(3):44. [Bibl. Agric. 22: 36188.]

694. Long, W. H., E. J. Concienne and L. D. Newsom. 1958. Sugarcane borer control with ryania, toxaphene and endrin. Assoc. South. Agric. Workers. Proc. 55:120. [Bibl. Agric. 22:82049.]

695. Long, W. H., E. J. Concienne and L. D. Newsom. 1959. Control of the sugarcane borer with insecticides. Proc. A.S.S.C.T. 7:24-39.

696. Long, W. H., L. D. Newsom and A. M. Mullins. 1961. Endrin residues in the fat of lambs grazed on endrin-treated pasture. J. Econ. Entomol. 54(3):605-6. Erratum. J. Econ. Entomol. 54(4):627. [Rev. Appl. Entomol. 50:280.]

697. Long, W. H., S. D. Hensley, E. J. Concienne and W. J. McCormick. 1959. Long term effects of heptachlor and endrin on borer populations. Sugar Bull. 37:323-5.

698. Long, W. H., S. D. Hensley, E. J. Concienne and W. J. McCormick. 1961. Field tests with new insecticides for sugarcane borer control in Louisiana in 1960. J. Econ. Entomol. 54(6):1155-6.

699. Long, W. H., J. M. M. Walder, R. B. Sgrillo and F. M. Wiendl. 1976. Basis for the use of insecticide in management of populations of the sugarcane borer Diatraea saccharalis (F.) in Sao Paulo State, Brazil. Sugar Azucar. 71(12):25-31, 34. [Bibl. Agric. 41:091855.]

700. Long, W. H., J. M. M. Walder, R. B. Sgrillo and F. M. Wiendl. 1977. Basis for the use of insecticide in management of populations of the sugarcane borer Diatraea saccharalis (F.) in Sao Paulo State, Brazil. Sugar Azucar. 72(2):42. [Bibl. Agric. 41:091856.]

701. Long, W. H., E. A. Cancienne, E. J. Concienne, R. N. Dopson and L. D. Newsom. 1958. Fire ant eradication program increases damage by the sugarcane borer. Sugar Bull. 37:62-3.

702. Long, W. H., E. J. Concienne, S. D. Hensley, W. J. McCormick and L. D. Newsom. 1959. Control of the sugarcane borer with insecticides. J. Econ. Entomol. 52(5):821-4.

703. Long, W. H., E. J. Concienne, S. D. Hensley, W. J. McCormick and L. D. Newsom. 1959. Endrin--for borer control. La. Agric. 2:12-3.

704. Long, W. H., E. J. Concienne, S. D. Hensley, W. J. McCormick and L. D. Newsom. 1959. Find better cane borer control in Louisiana. Sugar J. 21:24-5.

705. Long, W. H., E. J. Concienne, S. D. Hensley, W. J. McCormick and L. D. Newsom. 1960. Control of the sugarcane borer with insecticides. Sugar Bull. 38:202-6.

706. Long, W. H., E. J. Concienne, L. D. Newsom, S. D. Hensley and R. Mathes. 1958. Recommendations for controlling sugarcane borer. Sugar Bull. 36:129-30.

707. Long, W. H., E. J. Concienne, L. D. Newsom, S. D. Hensley and W. J. McCormick. 1959. Control of the sugarcane borer with insecticides. Proc. I.S.S.C.T. 10:947-54.

708. Long, W. H., S. D. Hensley, T. J. Stafford, E. J. Concienne and W. J. McCormick. 1961. New Method for rating sugarcane varieties for susceptibility to the sugarcane borer in Louisiana. Sugar Bull. 39: 175-8.

709. Long, W. H., E. J. Concienne, R. Mathes, W. J. McCormick, L. J. Charpentier and S. D. Hensley. 1958. Injury to sugarcane by the sugarcane borer in Louisiana during 1957. Sugar Bull. 36:178.

710. Macedo, N. 1978. New strain of Apanteles flavipes was imported to increase its adaptive potential in the southern region of Brazil. I.S.S.C.T. Entomol. Newsl. (4): 11-2. [Rev. Appl. Entomol. 67:175.]

711. Macedo, N. 1978. Varietal behavior, mechanism and inheritance of sugarcane resistance to the attack of Diatraea saccharalis (Fabr., 1794). I.S.S.C.T. Entomol. Newsl. (5):13-4. [Rev. Appl. Entomol. 67:2730.]

712. Macedo, N., A. de C. Mendes and P. S. M. Botelho. 1977. Susceptibility of the main commercial sugarcane varieties to the moth borer, Diatraea saccharalis (Fabr. 1794), in the southern-central Brazil. Proc. I.S.S.C.T. 16:693-701.

713. Macedo, N., A. de C. Mendes, P. S. M. Botelho and O. Nakano. 1976. Large-scale rearing of Diatraea saccharalis (F., 1794) on rice (Oriza sativa L.) in the laboratory. Bras. Acucar. 87(1):65-7. [Bibl. Agric. 41:039771.]

714. Madariaga, A. 1919. Pests and diseases of maize. Rev. Agric., Mexico, D. F. 4(9-10):449-55. [Rev. Appl. Entomol. 10:104.]

715. Mahadeo, C. R. 1976. Comparison of small moth borer damage survey at Felicite over a 28 year period (1947-1975). J. Agric. Soc. Trinidad Tobago. 76(2):164-9. [Bibl. Agric. 41:060842.]

716. Mahadeo, C. R. 1977. Studies on larval mortality, development and pupal formation in Diatraea centrella and Diatraea saccharalis in Trinidad. J. Agric. Soc. Trinidad Tobago. 77(1):33-5, 37-40. [Bibl. Agric. 41:123696.]

717. Manser, P. D. 1959. The small moth borer and red rot in sugarcane in Jamaica. J. A. S. T. Journal. 22: 17-22. [Bibl. Agric. 26:20743.]

718. Manser, P. D. and F. D. Bennett. 1962. Possible effects of the application of malathion on the small moth borer, Diatraea saccharalis (F.), and its parasite Lixophaga diatraeae (Tns.) in Jamaica. Bull. entomol. Res. 53(pt. 1):75-82. [Rev. Appl. Entomol. 50:289.]

719. Marcovitch, S. 1928. Studies on toxocity of fluorine compounds. Bull. Tenn. Agric. Exp. Stn. 139. 48 pp. [Rev. Appl. Entomol. 16:571.]

720. Marlatt, C. L. 1928. Report of the entomologist. U.S. Dep. Agric., Washington, D.C. 34 pp. [Rev. Appl. Entomol. 17:272-5.]

721. Martin, D. F. (Bioenvironmental Insect Control Res. Lab., USDA, ARS, Stoneville, Miss. 38776). 1973. Effect of various constant temperatures on development of sugarcane borer. ESA Annual Meeting A734039 Dallas, Tex. 26-30 Nov. 1973. Inquire: Mr. W. P. Murdoch, ESA, 4603 Clavert Rd., College Park, Md. 20740. [Conference Papers Index.]

722. Martin, D. F., E. G. King Jr. and T. E. Summers. 1975. Attacking the sugarcane borer. Agric. Res. 24(2):3-5. [CAB Abstr.]

723. Martin, F. A., C. A. Richard and S. D. Hensley. 1975. Host resistance to Diatraea saccharalis (F.): relationship of sugarcane internode hardness to larval damage. Environ. Entomol. 4(5):687-8.

724. Martin, F. A., C. A. Richard and S. D. Hensley. 1975. Host resistance to Diatraea saccharalis (F.): relationship of sugarcane internode hardness to larval damage. Proc. A.S.S.C.T. (2nd Ser.). 5:132.

725. Martin, D. F., T. E. Summers and R. D. Jackson. 1976. Management of sugarcane borer populations through programmed releases of a selective parasite. Annu. Rep. Natl. Res. Programs Plant Entomol. Sci. U.S. Agric. Res. Serv. Natl. Program Staff. 2:229. [Bibl. Agric. 43:058603.]

726. Martins, J. F. da S., B. da S. Pinheiro and J. A. Lowe. 1978. Nitrogen and infestation by the stalk borer in irrigated rice. Pesquisa Agropecuaria Brasileira. 13(3):23-5. [Rev. Appl. Entomol. 68:5037.]

727. Martins, J. F. S., C. J. Rossetto and A. O. Roccia. 1977. Oviposition preference of Diatraea saccharalis (Fabricius, 1794) on rice varieties. An. Soc. Entomol. Brazil. 6(1):64-72. [Rev. Appl. Entomol. 67:1064.]

728. Martins, J. F. da S., C. J. Rossetto and A. O. Roccia. 1977. Resistance of rice varieties and lines to larvae of Diatraea saccharalis (Fabricius, 1794). Cienc. Cult. Soc. Bras. Para. Progr. Cienc. 29(10):1141-5. [Bibl. Agric. 43:034659.]

729. Martorell, L. F. 1959. In Puerto Rico control of the important sugarcane insect pests. Sugar J. 22: 55-63.

730. Martorell, L. F. and I. S. Bangdiwala. 1953. Sucrose content of sugarcane as affected by moth-borer (Diatraea saccharalis Fabricius) infestation. Proc. I.S.S.C.T. 8:602-14.

731. Martorell, L. F. and I. S. Bangdiwala. 1954. Sucrose content of sugarcane as affected by moth-borer, Diatraea saccharalis (Fabricius), infestation. J. Agric. Univ. Puerto Rico. 38(1): 22-37. [Rev. Appl. Entomol. 44: 414-5.]

732. Martorell, L. F. and C. H. Burleigh. 1954. Ineffectiveness of the overhead-irrigation method for the application of insecticides to control the sugarcane moth stalk-borer, Diatraea saccharalis (Fabricius). P. R. U. J. Agric. 38:38-60. [Bibl. Agric. 18:43738.]

733. Martorell, L. F. and S. M. Gaud. 1965. Notes on parasitism of the sugarcane moth borer, Diatraea saccharalis (Fabricius) in Puerto Rican sugarcane fields. Proc. I.S.S.C.T. 12:1295-1303. [Rev. Appl. Entomol. 58:2567.]

734. Martorell, L. F. and S. Medina Gaud. 1965. Status of important insect pests of sugarcane in Puerto Rico and their control. Proc. I.S.S.C.T. 12:1278-86. [Rev. Appl. Entomol. 58:2565.]

735. Martorell, L. F., J. A. Burgos and F. Mejia-Baiggi. 1973. Preliminary investigations on the sugarcane insects of the Dominican Republic. Proc. 1973 Meeting West Indies Sugar Tech. Barbados, West Indies Sugar Assoc. (Inc.). pp. 247-71. [Rev. Appl. Entomol. 64:7223.]

736. Maskew, F. 1919. Quarantine division. Report for the month of December, 1918. Mon. Bull. Cal. State Comm. Hortic., Sacramento. 8(2):84-6. [Rev. Appl. Entomol. 7:237-8.]

737. Maskew, F. 1920. Quarantine division. Report for the month of June, 1920. Mon. Bull. Cal. State Dep. Agric., Sacramento. 9(8): 350-1. [Rev. Appl. Entomol. 8: 508-9.]

738. Mathes, R. 1968. Sugarcane characteristics associated with resistance to the sugarcane borer, Diatraea saccharalis (F.). Proc. I.S.S.C.T. 13:1442.

739. Mathes, R and L. J. Charpentier. 1962. Some techniques and observations in studying the resistance of sugar cane varieties to the sugar cane borer in Louisiana. Proc. I.S.S.C.T. 11:594-604.

740. Mathes, R. and J. W. Ingram. 1942. Development and use of sugarcane varieties resistant to the sugarcane borer. J. Econ. Entomol. 35(5):638-42. [Rev. Appl. Entomol. 31:239.]

741. Mathes, R., R. J. Baum and L. J. Charpentier. 1965. A method of relating yields of sugar and sugarcane borer damage. Proc. I.S.S.C.T. 12:1388-96. [Rev. Appl. Entomol. 58:2576.]

742. Mathes, R., L. J. Charpentier and W. J. McCormick. 1959. Losses caused by the sugarcane borer in Louisiana. Proc. I.S.S.C.T. 10: 919-21.

743. Mathes, R., W. E. Haley and L. J. Charpentier. 1954. Borers surviving the winter and prospects for the 1954 infestation in Louisiana. Sugar Bull. 32:216-7. [Bibl. Agric. 18:52954.]

744. Mathes, R., J. W. Ingram and L. J. Charpentier. 1953. A method for determining losses caused by the sugarcane borer. Proc. I.S.S.C.T. 8:614-6.

745. Mathes, R., J. W. Ingram and W. E. Haley. 1938. Preliminary report on studies of progenies of sugarcane crosses for susceptibility to sugarcane borer injury in Louisiana. Proc. I.S.S.C.T. 6:581-9.

746. Mathes, R., W. J. McCormick and L. J. Charpentier. 1968. Components of aggregate crop loss caused by the sugarcane borer. Proc. I.S.S.C.T. 13:1296-9. [Rev. Appl. Entomol. 63: 1286.]

747. Mathes, R., J. U. McGuire, Jr. and L. J. Charpentier. 1965. First ratoon crop yields affected by sugarcane borer damage to plant cane. Proc. I.S.S.C.T. 12:1397-1400. [Rev. Appl. Entomol. 58: 2577.]

748. Mathis, R., W. E. Haley, L. J. Charpentier, A. L. Dugas and E. J. Concienne. 1953. Sugarcane borer infestation and loss in Louisiana. Sugar Bull. 31(13):212. [Biol. Abstr. 28:6775.]

749. Mathes, R., N. C. Hayslip, E. K. Bynum, C. O. Grassl and T. Bregger. 1950. The use of resistant varieties of sugar cane in the control of the sugar-cane borer. Proc. I.S.S.C.T. 7:168-77. [Bibl. Agric. 16:94112.]

750. Mathes, R., J. W. Ingram, D. D. Questel, W. H. Thames and A. L. Dugas. 1953. Current status of sugarcane-insect investigations in the United States. Proc. I.S.S.C.T. 8:560-7.

751. Mathes, R., S. D. Hensley, L. J. Charpentier, W. H. Long, E. J. Concienne and L. D. Newsom. 1959. Recommendations for controlling the sugarcane borer and other pests in Louisiana - 1959. Sugar Bull. 37:167-8.

752. Mathieu, J. M. and A. Cevallos. 1969/70. Varietal reaction of corn to the artificial infestation of Diatraea saccharalis and the maintainance of the insect in the laboratory. Inst. Tec. Monterrey Div. Cienc. Agropecu. Marit. Inf. Invest. 12:65-7. [Biores. Index 8:18470.]

753. Mathur, Y. K. and B. L. Mathur. 1968. Note on a parasitic Aspergillus on larvae of Amsacta moorei Butler. Pl. Prot. Bull. F.A.O. 16(4):66. [Rev. Appl. Entomol. 57:248.]

754. May, D. W. 1927. Germinating sugar cane. Porto Rico Agric. Exp. Stn. Agric. Notes 38. 2 pp. [Rev. Appl. Entomol. 15:637.]

755. McCormick, W. J., L. J. Charpentier, E. J. Concienne, W. T. Spink and W. H. Long. 1958. Borers surviving the winter and prospects for the 1958 infestation in Louisiana. Sugar Bull. 36:179.

756. McDonald, R. E. 1922. Report of the entomologist. 15th Ann. Rep. Comm. Agric. Texas. pp. 32-8. [Rev. Appl. Entomol. 11:267.]

757. McGuire, J. U. Jr., R. Mathes and L. J. Charpentier. 1965. Sugarcane yields affected by borer infestation and position of injury on stalk. Proc. I.S.S.C.T. 12: 1368-72. [Rev. Appl. Entomol. 58:2573.]

758. McKaig, N. Jr. and C. A. Fort. 1936. Chemical composition of juice from Louisiana sugarcane injured by the sugarcane borer and the red rot disease. J. agric. Res. 52(1):17-25. [Rev. Appl. Entomol. 24:333-4.]

759. McPherson, R. M. 1975. The potential of Lixophaga diatraeae Towns. (Diptera: Tachinidae) for control of Diatraea saccharalis (F.) (Lepidoptera: Pyralidae) in Louisiana. Thesis. La. State Univ., Baton Rouge. 164 pp.

760. McPherson, R. M. and S. D. Hensley. 1976. Development of Lixophaga diatraeae (Tachinidae) on several Lepidopterans. Environ. Entomol. 5(6):1146-8.

761. McPherson, R. M. and S. D. Hensley. 1976. Potential of Lixophaga diatraeae for control of Diatraea saccharalis in Louisiana. J. Econ. Entomol. 69(2):215-8.

762. McPherson, R. M. and S. D. Hensley. 1977. Parasite-host size relationships: Lixophaga diatraeae (Towns.). Tachinidae reared on Diatraea saccharalis (F.) Pyralidae. Proc. I.S.S.C.T. 16:553-9.

763. McPherson, R. M. and S. D. Hensley. 1978. Response of the parasite Lixophaga diatraeae (Tachinidae) to photoperiod and temperature. Environ. Entomol. 7(1):136-8.

764. McPherson, R. M., S. D. Hensley, J. B. Graves and E. G. King. 1976. Dosage-mortality responses of the parasite, Lixophaga diatraeae, to selected insecticides in the laboratory. J. Econ. Entomol. 69(1): 105-8.

765. Meadows, C. M. 1938. The biology of the sugar cane borer Diatraea saccharalis Fabricius. Thesis. La. State Univ., Baton Rouge. 60 pp.

766. Medina, H. 1970. Influence of changing the natural nutrient substrate on the survival of the larvae of Diatraea saccharalis of different ages. Acad. Cienc. Cuba Ser. Biol. 22:2-8. [Biol. Abstr. 53:67159.]

767. Mena, J. A. 1964. Insecticide assays for the control of the main corn pests in the coastal zone of El Salvador (Geraeus sp., Coloeptera; Laphygma frugiperda, Diatraea saccharalis, Heliothis zea, Lepidoptera; Dalbulus sp., Draeculacephala sp., Hortensia sp., Homoptera. Agric. El Salvador. 5(6):21-5. [Biol. Abstr. 47:104479.]

768. Mendes, A. C. 1978. Influence of climatic factors on the populations of the sugarcane moth borer, Diatraea saccharalis (Fabr.), and root froghopper, Mahanarva fimbriolata (Stål.). Sao Paulo - Brazil. I.S.S.C.T. Entomol. Newsl. (4):13. [Rev. Appl. Entomol. 67:176.]

769. Mendes, A. de C., P. S. M. Botelho and N. Macedo. 1976. Comparative study of new substrate for oviposition of Diatraea saccharalis (Fabr., 1794) (Lepidoptera, Crambidae) in laboratory conditions. Bras. Acucar. 87(6):73-7. [Bibl. Agric. 41: 039767.]

770. Mendes, A. de C., P. S. M. Botelho and N. Macedo. 1976. Effects of irrigation on sugarcane infestation by Diatraea saccharalis (F., 1794). Bras. Acucar. 87(5):15-9. [Bibl. Agric. 41:039769.]

771. Mendes, A. C., P. Sm. Botelho and N. Macedo. 1978. Flight height, flight time, and influence of lunar phases on the capture of adults of Diatraea saccharalis (Fabr., 1794) with light traps. Bras. Acucar. 92(5):21-33. [Bibl. Agric. 43: 101347.]

772. Mendes, A. C., P. S. M. Botelho, S. Silveira Neto and N. Macedo. 1976. Selection of lights of different wavelengths for attracting the sugarcane borer Diatraea saccharalis (Fabr., 1794) (Lepidoptera, Crambidae). Bras. Acucar. 88(2): 39-45. [Bibl. Agric. 41:039772.]

773. Mendonca F., A. F. 1973. Artificial rearing in laboratory of sugarcane borer parasites (Diatraea spp.) (Lepidoptera, Crambidae). Brasil Acucareiro. 81(4):47-60. [Bibl. Agric. 37:099295.]

774. Mendonça F.°, A. F., S. H. Risco B. and J. M. B. Costa. 1977. Introduction and rearing of Apanteles flavipes Cameron (Hym.:Braconidae) in Brazil. Proc. I.S.S.C.T. 16: 703-10.

775. Mendoza S., J. and C. Cabrejos. 1972. Chemical control of Diatraea saccharalis Fab. on rice crops in Lambayeque, Peru. Rev. Peruana Entomol. 15:368-9. [Rev. Appl. Entomol. 64:709.]

776. Menor Y Ortega, J. G. 1934. Report of the entomologist-pathologist. Mem. Sec. Agric. Com. Repub. Dominicana 1932. pp. 117-33. [Rev. Appl. Entomol. 23:6-7.]

777. Metcalfe, J. R. 1959. A preliminary reassessment of Diatraea saccharalis (F.) in Barbados, West Indies. Trop. Agric. (Trin.). 36(3):199-209. [Rev. Appl. Entomol. 49:313.]

778. Metcalfe, J. R. 1960. The introduction of larval parasites of moth borer (Diatraea saccharalis (F.)) into Barbados--a progress report. Dep. Sci. Agric. Barbados. 9 pp. [Rev. Appl. Entomol. 51:25.]

779. Metcalfe, J. R. 1962. A review of the methods of estimation of damage due to moth-borer (Diatraea saccharalis (F.)) in Barbados with special reference to the Trichogramma campaign. Proc. I.S.S.C.T. 11:589-94.

780. Metcalfe, J. R. and L. W. van Whervin. 1965. Studies on mass-liberations and natural populations of the egg parasites of moth borer, Diatraea saccharalis (F.), in Barbados. Proc. I.S.S.C.T. 12: 1420-34. [Rev. Appl. Entomol. 58: 2578.]

781. Meyer, A. C. 1929. An insect injurious to sugar cane and its control. Bol. Agric. Zootech. e Vet. [Minas Geraes] 2(11/12):11-6. [Biol. Abstr. 6:4711.]

782. Meynadier, G., P. F. Galichet, J. C. Veyrunes and A. Amargier. 1977. Demonstration of a virus causing densonucleosis in Diatraea saccharalis (Lep.:Pyralidae). Entomophaga. 22(1):115-20. [Rev. Appl. Entomol. 65:6075.]

783. Miles, L. R. and E. G. King. 1975. Development of the Tachinid parasite, Lixophaga diatraeae, on various developmental stages of the sugarcane borer in the laboratory. Environ. Entomol. 4(5):811-4.

784. Miranda, C. A. 1965. Insecticide trials for the control of the rootworm (Diabrotica balteata) (Coleoptera), the armyworm (Laphygma frugiperda) (Lepidoptera) and the borer Diatraea saccharalis (Lepidoptera) of the corn plant. Agric. El Salvador. 6(1/2/3):18-23. [Biol. Abstr. 48:56725.]

785. Miskimen, G. W. 1962. Studies of the biological control of Diatraea saccharalis F. (Lepidoptera: Crambidae) on St. Croix, U.S. Virgin Islands. J. Agric. Univ. Puerto Rico. 46(2):135-9. [Rev. Appl. Entomol. 52:47.]

786. Miskimen, G. W. 1965. Nonaseptic laboratory rearing of the sugarcane borer, Diatraea saccharalis. Ann. Entomol. Soc. Am. 58(6):820-3. [Rev. Appl. Entomol. 54:65.]

787. Miskimen, G. W. 1966. Effects of light on mating success and egg-laying activity of the sugarcane borer, Diatraea saccharalis. Ann. Entomol. Soc. Am. 59(2):280-4. [Rev. Appl. Entomol. 54:411-2.]

788. Miskimen, G. W. 1973. High-temperature effects on sugarcane borers. 1. Survivorship and emergence time. Environ. Entomol. 2(6):981-5.

789. Miskimen, G. W. 1973. High-temperature effects on sugarcane borers. 2. Mating success, fecundity, and fertility. Environ. Entomol. 2(6):986-90.

790. Monte, O. 1933. A new parasite of the cane borer, (Diatraea saccharalis, F.) and notes on the borer. Bol. Agric. Zootec. Vet. Minas Gerais. 6(9):559-63. [Rev. Appl. Entomol. 22:187.]

791. Monte, O. 1935. Some historical notes on Metagonistylum minense. Campo. 6(12):30-1. [Rev. Appl. Entomol. 24:261.]

792. Montes, M. 1970. Studies on the bionomics and biometry of Lixophaga diatraeae (Towns) (Diptera, Tachinidae). Ciencias. 4(Ciencias Biológicas)(7): 60 pp. [Rev. Appl. Entomol. 62:2260.]

793. Moraes, G. J., E. Berti Filho and D. Gallo. 1975. Distribution of Diatraea saccharalis F. within sugar-cane plots. An. Soc. Entomol. Brazil. 4(1):12-5. [Rev. Appl. Entomol. 65:4922.]

794. Moraes, G. J., E. Berti Filho and D. Gallo. 1976. Study of the distribution of Diatraea saccharalis F. in sugarcane plantings. Revista de Agricultura, Piracicaba, Brazil. 51(3/4):189-93. [Rev. Appl. Entomol. 66:1260.]

795. Morales, E. N. and N. Falcon C. 1977. Complex of borers (Diatraea spp) which affect the sugarcane crop in the Tocuyo Valley, Venezuela. Proc. I.S.S.C.T. 16:819-24.

796. Moreira, C. 1919. Sugar-cane beetles. Bol. Minist. Agric., Ind. e Comm., Rio de Janeiro. 8(2):103-19. [Rev. Appl. Entomol. 8:290-2.]

797. Morgan, H. A. 1891. Sugar cane borer and its parasite. La. Agric. Exp. Stn. Bull. 9 (2nd Ser.). pp. 215-28.

798. Morgan, H. A. 1902. Life history of the sugar-cane borer in Louisiana. U.S. Dep. Agric. Off. Exp. Stn. Bull. 115. pp. 128-9.

799. Morris, J. W., R. M. Ramp, E. K. Bynum and W. E. Haley. 1950. Disposal of borers overwintering in shoots of summer planted cane. Sugar B. 28:387, 396-8. [Bibl. Agric. 14:85571.]

800. Moyano, A. 1961. The sugar-cane borer. Cult. Mod. 44(9):336. [Bibl. Agric. 26:29009.]

801. Muesebeck, C. F. W. 1933. Seven new species of reared Braconidae (Hymenoptera). Proc. Entomol. Soc. Wash. 35(9):193-200. [Rev. Appl. Entomol. 22:128.]

802. Munro, J. A. 1954. Entomology problems in Bolivia. FAO Plant Prot. Bull. 2(7):97-101. [Rev. Appl. Entomol. 43:115-6.]

803. Munro, J. A. 1954. A supplemental note to "entomology problems in Bolivia". FAO Plant Prot. Bull. 2(10):150. [Rev. Appl. Entomol. 43:115-6.]

804. Myers, J. G. 1931. Descriptions and records of parasitic Hymenoptera from British Guiana and the West Indies. Bull. Entomol. Res. 22(pt. 2):267-77. [Rev. Appl. Entomol. 19:538.]

805. Myers, J. G. 1932. The original habitat and hosts of three major sugar-cane pests of tropical America (Diatraea, Castnia and Tomaspis). Bull. Entomol. Res. 23(pt. 2) :257-71. [Rev. Appl. Entomol. 20:547-8.]

806. Myers, J. G. 1934. The discovery and introduction of the Amazon fly. A new parasite for cane-borers (Diatraea spp.). Trop. Agric. 11 (8):191-5. [Rev. Appl. Entomol. 22:566-7.]

807. Myers, J. G. 1935. Biological control of sugar-cane pests in the British West Indies and British Guiana. Proc. I.S.S.C.T. 5:381-6.

808. Myers, J. G. 1935. The ecological distribution of some South American grass and sugar cane borers (Diatraea spp. Lep., Pyralidae). Bull. entomol. Res. 26(pt. 3): 335-42. [Rev. Appl. Entomol. 23: 744-5.]

809. Myers, J. G. 1935. An entomological investigation in Grenada. Trop. Agric. 12(8):216-20. [Rev. Appl. Entomol. 23:605-6.]

810. Myers, J. G. 1935. An entomological investigation in St. Vincent. Trop. Agric. 12(6):139-44. [Rev. Appl. Entomol. 23:447-8.]

811. Nagarkatti, S. and K. R. Nair. 1973. The influence of wild and cultivated Gramineae and Cyperaceae on populations of sugarcane borers and their parasites in North India. Entomophaga. 18(4):419-30.

812. Naranjo-Hincapie, N. 1965. Evaluation of damages caused by Diatraea saccharalis Fab. to the sugar industry in the geographic valley of the Cauca River, Colombia (Lepidoptera, Pyralidae). Agronomia. 2(1 facs 2):1-60. [Biol. Abstr. 48:103847.]

813. Naranjo, N. and L. H. Camacho. 1965. Evaluation of damages caused by Diatraea saccharalis Fab. to the sugar industry in the geographic valley of the Cauca river, Colombia. Agric. Trop. 21(12):859-71. [Biol. Abstr. 48:25324.]

814. Negm, A. A. G. 1966. Studies on natural control of the sugarcane borer, Diatraea saccharalis (Fabricius) and the effect of certain insecticides on predaceous arthropods. Thesis. La. State Univ., Baton Rouge. 80 pp.

815. Negm, A. A. G. 1968. Ecological studies of certain natural mortality factors of the sugarcane borer, Diatraea saccharalis (Fabricius) in Louisiana. Dissertation. La. State Univ., Baton Rouge. 96 pp. [Diss. Abstr. 29(5):1722B.]

816. Negm, A. A. and S. D. Hensley. 1967. The relationship of arthropod predators to crop damage inflicted by the sugarcane borer. J. Econ. Entomol. 606:1503-6.

817. Negm, A. A. and S. D. Hensley. 1969. Effect of insecticides on ant and spider populations in Louisiana sugarcane fields. J. Econ. Entomol. 62(4):948-9.

818. Negm, A. A. and S. D. Hensley. 1969. Evaluation of certain biological control agents of the sugarcane borer in Louisiana. J. Econ. Entomol. 62(5):1008-13.

819. Negm, A. A. and S. D. Hensley. 1972. Role of predaceous arthropods of the sugarcane borer Diatraea saccharalis (F.) in Louisiana. Proc. I.S.S.C.T. 14: 445-53.

820. Negm, A. A., S. D. Hensley and E. J. Concienne. 1969. Insecticidal control of the sugarcane borer in corn. J. Econ. Entomol. 62:245-6.

821. Newsom, L. D. 1959. Endrin for sugarcane borer control - a look into the future. Proc. A.S.S.C.T. 7:40-51.

822. Newsom, L. D. 1971. The end of an era and future prospects for insect control. Proc. Tall Timbers Conf. Ecol. Animal Control Habitat Management, No. 2, 26-28 February 1970, Tallahassee, Fla. pp. 117-36. [Biores. Index 7:62724.]

823. Nickel, J. L. 1964. Biological control of rice stem borers: a feasibility study. Tech. Bull. int. Rice Res. Inst. 2. 111 pp. [Rev. Appl. Entomol. 54:481-2.]

824. Niilo, V. 1963. Gametogenesis of the sugarcane borer moth, Diatraea saccharalis (F.) (Crambidae). J. Agric. Univ. Puerto Rico. 47(2): 102-37. [Biol. Abstr. 45:39870.]

825. Novak, K. 1967. Contribution to the bionomics of Diatraea saccharalis (Fabricius). Poeyana Inst. Biol. Ser. A. 44. pp. 1-7. [Biol. Abstr. 49:113114.]

826. Novak, K. 1968. Cooperation in the research of sugarcane pests in Cuba. Ziva. 16(2):61-2. [Biores. Index 6:85564.]

827. Nunez, P. 1960. Campaign against the sugarcane borer. Asoc. de Colonos de Cuba. B. 6(24):25-7. [Bibl. Agric. 25:13914.]

828. Nunez, W. J., S. D. Hensley and A. R. Colmer. 1968. Microflora of the sugarcane borer, Diatraea saccharalis. Ann. Entomol. Soc. Am. 61(6):1427-9.

829. Oliver, B. F. and J. R. Gifford. 1975. Weight differences among stalk borer larvae collected from rice lines showing resistance in field studies. J. Econ. Entomol. 68(1):134.

830. Oliver, B. F., J. R. Gifford and G. B. Trahan. 1971. Host plant resistance studies on rice stalk borers. La. Agric. Exp. Stn. Rice Exp. Stn. Annu. Progr. Rep. 63:186-90. [Bibl. Agric. 37: 015785.]

831. Oliver, B. F., J. R. Gifford and G. B. Trahan. 1973. Reaction of selected rice lines to stalk borers. J. Econ. Entomol. 66(3): 794-6.

832. Oliver, A. D., T. E. Reagan and E. C. Burns. 1979. The fire ant--an important predator of some agricultural pests. La. Agric. 22(4):6-7, 9.

833. Osman, N. B. 1975. Response of sugarcane borer larvae, Diatraea saccharalis (F.) to photoperiod and temperature. Thesis. La. State Univ., Baton Rouge. 84 pp.

834. Osterberger, B. A. 1930. Insect fauna of sugarcane fields in Louisiana, including activities and hibernation. Thesis. La. State Univ., Baton Rouge. 84 pp.

835. Osterberger, B. A. 1938. Cane trash disposal as a means of cane borer control. La. Agric. Exp. Stn. Bull. 298. pp. 5-6.

836. Overman, J. L. 1970. Relationship of resistance in maize (Zea mays L.) to two related species of Pyralidae: Diatraea saccharalis (F.) and Zeadiatraea lineolata (Wlk.). Dissertation Univ. Fla., Gainesville. 105 pp. [Diss. Abstr. Intl. 31(11): 6667B.]

837. Painter, R. H. 1955. Insects on corn and teosinte in Guatemala. J. Econ. Entomol. 48(1):36-42. [Rev. Appl. Entomol. 44:51-2.]

838. Pan, Y.-S. 1960. Diets for rearing the sugar cane borer, Diatraea saccharalis (F.), in the laboratory. Thesis. La. State Univ., Baton Rouge. 101 pp.

839. Pan, Y.-S. 1971. Evaluation of sugarcane seedlings for resistance to the sugarcane borer, Diatraea saccharalis (F.). Dissertation. La. State Univ., Baton Rouge. 126 pp. [Diss. Abstr. Intl. 32(12) Part 1: 7092B.]

840. Pan, Y.-S. and S. D. Hensley. 1973. Evaluation of sugarcane seedlings for resistance to the sugarcane borer, Diatraea saccharalis. Environ. Entomol. 2(1):149-54.

841. Pan, Y.-S. and W. H. Long. 1961. Diets for rearing the sugarcane borer. J. Econ. Entomol. 54(2): 257-61.

842. Paredes, P. P. and N. de J. Angeles. 1966. Record of new food-plants of Diatreae saccharalis Fabricius in Venezuela. Agron. Trop. 16(2): 151-4. [Rev. Appl. Entomol. 56: 1439.]

843. Paredes, P. P. and N. de J. Angeles. 1966. Register of new hosts of Diatraea saccharalis Fabricius in Venezuela. Agron. Trop. 16(2):151-4. [Bibl. Agric. 32:15146.]

844. Paredes R., P. P. and N. de J. Angeles. 1966. The results of releases of the Amazon fly (Metagonistylum minense Towns.) for the control of sugar-cane borers in the Motatán-Valera region of Trujillo State:1960-65. Agron. Trop. 16(3):233-6. [Rev. Appl. Entomol. 56:1444.]

845. Parisi C., R. A., A. Ortega C. and R. Reyna R. 1973. Damage by Diatraea saccharalis Fabricius (Lepidoptera:Pyralidae) in relation to density of stand, fertilizer level and maize hybrid, in Argentina. Agrociencia. (13): 43-63. [CAB Abstr.]

846. Parker, H. L. 1953. Miscellaneous notes on South American Dipterous parasites. Boll. Lab. Entomol. agr. Portici. 12:45-73. [Rev. Appl. Entomol. 42:356-7.]

847. Patrick, J. C. 1968. Evaluation of Diatraea saccharalis (F.) infestations at different distances from traps baited with virgin female moths. Thesis. La. State Univ., Baton Rouge. 84 pp.

848. Patrick, J. C. and S. D. Hensley. 1970. Recapture of males released at different distances from a trap baited with virgin female sugarcane borers. J. Econ. Entomol. 63(4):1341-2.

849. Peairs, F. B. 1977. Plant damage and yield response to Diatraea saccharalis (F.) and Spodoptera frugiperda (J. E. Smith) in selection cycles of two tropical maize populations in Mexico. Dissertation. Cornell Univ., Ithaca NY. 186 pp. [Diss. Abstr. Intl. 38(9): 4052B.]

850. Peairs, F. B. and J. L. Saunders. 1979. Single-larva infestations with Diatraea saccharalis (F.) (Lepidoptera, Pyralidae) in 2 tropical maize populations in Mexico. Turrialba. 29(4):243-6. [Scisearch.]

851. Pereira, C. E. F., R. O. R. de Lima and A. M. V. Boas. 1976. Biological control of Diatraea spp. in Pernambuco. Bras. Acucar. 87(3):22-43. [Bibl. Agric. 41:039766.]

852. Pereira, C. E. F., R. O. R. Lima and A. M. V. Boas. 1977. Introduction and adaptation of Apanteles flavipes Cam. (Hymenoptera, Braconidae), a parasite of Diatraea spp. in the states of Pernambuco, Paraiba and Rio Grande do Norte. Bras. Acucar. 89(5):49-56. [Bibl. Agric. 43:034643.]

853. Pérez Álvarez, Z. 1978. Report of the first two parasites of Elasmopalpus lignosellus Zeller, in Cuba. Ciencias de la Agric. (3):169. [Rev. Appl. Entomol. 68:3852.]

854. Pérez González, P., R. Cardoso Montenegro and A. Rosales Labrada. 1977. Influence of the degree of attack by the stemborer Diatraea saccharalis Fabricius on some sugarcane yield constituents. Proc. I.S.S.C.T. 16:569-82.

855. Perez, R. P. 1964. Sex attractant and mating behavior of the sugarcane borer moth. Thesis. La. State Univ., Baton Rouge. 59 pp.

856. Pérez Pérez, R. 1964. Sex attractant and mating behavior of the sugarcane moth borer. Univ. Puerto Rico Agric. Exp. Stn. Bull. 188. 28 pp.

857. Perez Perez, R. 1971. Sex pheromone and blacklight trap studies with the sugarcane borer Diatraea saccharalis (F.). Dissertation. La. State Univ., Baton Rouge. 61 pp.

858. Pérez Pérez, R. and S. D. Hensley. 1973. A comparison of pheromone and blacklight traps for attracting sugarcane borer (Diatraea saccharalis (F.)) adults from a natural population. J. Agric. Univ. Puerto Rico. 57(4):320-9.

859. Pérez Pérez, R. and S. D. Hensley. 1973. Recapture of sugarcane borer (Diatraea saccharalis (F.)) males released at different distances from pheromone-baited traps. J. of Agr. Univ. of Puerto Rico. 57:330-42.

860. Perez, R. and W. H. Long. 1964. Sex attractant and mating behavior in the sugarcane borer. J. Econ. Entomol. 57:688-90.

861. Pergolani de Costa, M. J. 1954. An enemy of corn. Santa Fe. Sec. de Agric. Ganad. e Indus. Informe Agropecuario Indus. 17(9):3-9. [Bibl. Agric. 18:88142.]

862. Pickel, B. 1930. Two pests of sugar-cane in the state of Pernambuco. O Campo. 1(1):47-8. [Rev. Appl. Entomol. 18:639-40.]

863. Pickles, A. 1936. Observations on the early larval mortality of certain species of Diatraea (Lepid., Pyralidae), under cane field conditions in Trinidad. Trop. Agric. 13(6):155-60. [Rev. Appl. Entomol. 24:566-7.]

864. Pickles, A. 1938. Report of the entomologist for the year 1937. Rep. Dep. Agric. Trin. Tob. 1937. pp. 71-2. [Rev. Appl. Entomol. 27:24-5.]

865. Piedra, A. A. 1949. The sugarcane borer in the sugarcane industry. Cong. Nac. de Ingen. Agron. y Azucarera. Trab. Téc. y Discursos. 2:145-53. [Bibl. Agric. 14:55634.]

866. Piedra, A. A. 1950. The sugarcane borer in the sugarcane industry. Retiro Azucarero. 6(19/20):32-5, 60. [Bibl. Agric. 15:38891.]

867. Piedra Corvison, A. 1948. Losses in the sugarcane industry. Cuba. Min. de Agric. Rev. (ser. 6). 31(2): 66-8. [Bibl. Agric. 13:54675.]

868. Pierce, W. D. 1920. An offer to the sugar planters to conduct the introduction of Cuban parasites of the sugar cane borer. Mineral, Metal & By-Products Co., Dep. Biol., Denver, Spec. Bull. 1. 6 pp. [Rev. Appl. Entomol. 8:396.]

869. Pinto da Fonseca, J. 1934. Report of the principal pests observed in 1931-1933 on the chief cultivated plants in the state of S. Paulo. Arch. Inst. biol. 5:263-89. [Rev. Appl. Entomol. 23:364-6.]

870. Plank, H. K. 1927. Cuban parasites of the moth stalkborer. Proc. I.S.S.C.T. 2:68-9.

871. Plank, H. K. 1927. Cutting out dead hearts in moth stalkborer control. Proc. I.S.S.C.T. 2:62-3.

872. Plank, H. K. 1927. Some grasses that harbor the sugar cane moth stalkborer in Cuba. Proc. I.S.S.C.T. 2:71-2.

873. Plank, H. K. 1928. The lesser corn stalk-borer (Elasmopalpus lignosellus, Zellus) injuring sugar cane in Cuba. J. Econ. Entomol. 21(2):413-7. [Rev. Appl. Entomol. 16:519.]

874. Plank, H. K. 1929. Fungi attacking Diatraea saccharalis Fabricius in Cuba. J. Econ. Entomol. 22: 983-4.

875. Plank, H. K. 1929. Natural enemies of the sugar cane moth stalkborer in Cuba. Ann. Entomol. Soc. Am. 22:621-40.

876. Plank, H. K. 1929. Nematodes parasitic on Diatraea saccharalis Fabricius in Cuba. J. Econ. Entomol. 22:982-3.

877. Plank, H. K. 1929. Observations on the control of the sugar cane moth stalkborer in Cuba. Memoria Conferenc. An. Asoc. Tec. Azucar. Cuba. 3:114-9. [Biol. Abstr. 5: 24288.]

878. Plank, H. K. 1929. A summary of the investigations of the sugar cane moth stalkborer in Cuba. Bull. Trop. Plant Res. Foundation 8. 16 pp. [Rev. Appl. Entomol. 17:420.]

879. Plank, H. K. 1930. Some observations on the control of the sugar cane moth stalkborer in Cuba. Proc. 3rd Conf. Asoc. Téc. Azuc. Cuba 1929. pp. 106-10. [Rev. Appl. Entomol. 22:206.]

880. Plank, H. K. 1932. Damage in left-over cane caused by the sugar cane moth stalkborer, Diatraea saccharalis Fabr. Proc. 5th Conf. Asoc. Téc. Azuc. Cuba 1931. pp. 135-7. [Rev. Appl. Entomol. 22: 185.]

881. Plank, H. K. 1932. The seasonal development of Diatraea saccharalis Fabr. and its principal parasites in Cuba. Proc. I.S.S.C.T. 4: Bull. 113, 8 pp.

882. Plank, H. K. 1945. Some observations about the control of the sugarcane borer. Asoc. de Téc. Azucareros de Cuba. B. Ofic. 4: 351-6. [Bibl. Agric. 8:12840.]

883. Plank, H. K. 1946. Some observations about the control of the sugarcane borer in sugarcane. Inst. Cubano de Suelos Abonos. B. 5: 833-5. [Bibl. Agric. 10:17075.]

884. Pollack V., M. 1974. Results of the use of traps with virgin females of Diatraea saccharalis (F.) in Paramonga, during November 1972 to March 1973. Revista Peruana de Entomologia. 17(1): 124-5. [Rev. Appl. Entomol. 66: 2640.]

885. Pollack V., M. 1975. Aspects of the biology of three species of Trichogramma in Paramonga. Revista Peruana de Entomologia. 18(1):59-64. [Rev. Appl. Entomol. 66:1948.]

886. Pollet, D. K., T. E. Reagan and S. D. Hensley. 1978. Pest management of sugarcane insects. La. Coop. Ext. Pub. 1982. 12 pp.

887. Potes, A. F. 1953. The sugarcane entomology of the Cauca Valley of Colombia. Proc. I.S.S.C.T. 8: 568-9.

888. Programa Nacional de Melhoramento da Cana-da-Açúcar, Brasil. 1978. Planalsucar annual report 1977. Experiment stations. São Paulo, Brazil: Instituto de Açúcar e do Álcool. 100 pp. [Rev. Appl. Entomol. 68:289.]

889. Pruna, P. M. 1969. A review of the literature on the sugar-cane borer Diatraea saccharalis (Fabricius). Serie Biológica, Academia de Ciencias de Cuba 5. 66 pp. [Rev. Appl. Entomol. 60: 3946.]

890. Pruna, P. M., M. Montes and H. Medina. 1969. Sterility of Diatraea saccharalis (Fabricius) induced by γ-radiation. Serie Biológica, Academia de Ciencias de Cuba 9. 14 pp. [Rev. Appl. Entomol. 60:3947.]

891. Pschorn-Walcher, H. 1971. Experiments on inter-specific competition between three species of Tachinids attacking sugar cane moth borer, Diatraea saccharalis (F.). Entomophaga. 16(1):125-31. [Bibl. Agric. 36:008040.]

892. Pschorn-Walcher, H. 1979. Intraspecific competition in Tachinidae (Diptera) attacking the sugar cane moth borer, Diatraea saccharalis F. (Lep., Pyralidae). Zeitschrift fur Angewandte Entomologie. 88(4): 403-14. [Scisearch.]

893. Pschorn-Walcher, H. and F. D. Bennett. 1968. Host suitability experiments with three Tachinid parasites of Diatraea spp. in Barbados and Trinidad, West Indies. Proc. I.S.S.C.T. 13:1331-41. [Rev. Appl. Entomol. 63:1290.]

894. Quelch, J. J. 1914. Report on the control of the small moth borers, Diatraea saccharalis and Diatraea canella, with some general notes. Demerara: Argosy Co. 15 pp. [Rev. Appl. Entomol. 3:27-8.]

895. Questel, D. D. and T. Bregger. 1959. Internal temperatures in preharvest burned cane and mortality of the sugarcane borer. Proc. I.S.S.C.T. 10:921-4.

896. Qunitana-Muñiz, V. 1970. Preferred host plants of the sugar cane borer. Diatraea saccharalis (Fab.) (Crambidae, Lepidoptera). Caribb. J. Sci. 10(3-4):209.

897. Quintana-Muñiz, V. and D. W. Walker. 1970. Host plant choice in the laboratory of first-stage sugarcane borers in Puerto Rico. J. Econ. Entomol. 63(3):988-9. [Rev. Appl. Entomol. 58:3278.]

898. Quintana-Muñiz, V. and D. W. Walker. 1970. Oviposition preference by gravid sugarcane borer moths in Puerto Rico. J. Econ. Entomol. 63(3):987-8. [Rev. Appl. Entomol. 58:3277.]

899. Quintana-Muñiz, V. and D. W. Walker. 1970. Survival and maturation in the laboratory of third-stage sugarcane borer in different host plants in Puerto Rico. J. Econ. Entomol. 63(3): 989-90. [Rev. Appl. Entomol. 58: 3279.]

900. Rabson, R. 1969. Activities of the United States Atomic Energy Commission related to radiation techniques used in control of insects. Sterile-male technique for eradication or control of harmful insects. Proc. panel application sterile-male technique eradication control harmful species insects, organized Joint FAO/IAEA Division Atomic Energy Food Agriculture Vienna, 27-31 May 1968. pp. 45-9. [Rev. Appl. Entomol. 58:1468.]

901. Rai, B. K. and K. Croal. 1969. Causes of white head of paddy. Agric. Res. Guyana. 3:47-50. [Biores. Index. 7:75011.]

902. Randolph, N. M., G. L. Teetes and B. E. Jeter Jr. 1967. Insecticide sprays and granules for control of the sugarcane borer on grain sorghum. J. Econ. Entomol. 60(3): 762-5. [Rev. Appl. Entomol. 55: 2094.]

903. Rao, V. P. and S. Krishnaswamy. 1961. Melcha ornatipennis: its occurrence in south India and a method for its laboratory multiplication. FAO Plant Prot. Bull. 9(5):69-73. [Rev. Appl. Entomol. 49:669.]

904. Ratkovich, M. E. 1951. The problem created by the sugarcane borer to the sugarcane industry. Argentina. Dir. Gen. de Fomento Agric. B. de Prod. y Fomento Agric. 3(28):36-8. [Bibl. Agric. 16:68984.]

905. Ratkovich, M. 1953. The sugarcane borer (Diatraea saccharalis) in Tucuman. Rev. Agron. del Noroeste Argentino. 1(1): 67 pp. [Bibl. Agric. 18:6453.]

906. Reagan, T. E. 1972. Status and potential of insecticide resistance in Diatraea saccharalis (F.) populations in Louisiana. Thesis. La. State Univ., Baton Rouge. 82 pp.

907. Reagan, T. E. (Dep. Entomol., La. State Univ., Baton Rouge, La. 70803) 1978. Comparative response of Louisiana and Texas populations of the sugarcane borer to insecticides. ESA Annual Meeting 784 2462 Houston, Tex. 26-30 Nov. 1978. [Conference Papers Index.]

908. Reagan, T. E. and J. P. Flynn. 1979. Sugarcane borer (SCB) control, 1978. Insecticide and Acaricide Tests. 4:166-7.

909. Reagan, T. E., G. Coburn and S. D. Hensley. 1972. Effects of mirex on the arthropod fauna of a Louisiana sugarcane field. Environ. Entomol. 1(5):588-91.

910. Reagan, T. E., S. D. Hensley and J. B. Graves. 1973. Diatraea saccharalis: response to laboratory selection with azinphosmethyl and carbofuran. J. Econ. Entomol. 66(5):1113-6.

911. Reagan, T. E., S. D. Hensley and J. B. Graves. 1973. Status of insecticide resistance in sugarcane borer populations in Louisiana. J. Econ. Entomol. 66(2):576.

912. Reagan, T. E., S. D. Hensley, F. R. Huffman and T. W. Fuchs. 1979. Response to insecticides of the sugarcane borer in Louisiana and Texas. J. Econ. Entomol. 72(1): 94-6.

913. Requena, J. R. and N. de J. Angeles. 1966. A new food-plant of Diatraea saccharalis Fabricius in Venezuela. Agron. Trop. 16(1):101-2. [Rev. Appl. Entoml. 56:1392.]

914. Risco Briceno, S. H. 1952. Biological control of the sugarcane borer. Vida Agric. [Lima]. 29: 543, 545, 547, 549-50, 552. [Bibl. Agric. 17:7514.]

915. Risco Briceño, S. H. 1954. The indigenous fly, Paratheresia claripalpis W., in the biological control of Diatraea saccharalis Fabr. in Peru. Observations on its biology, artificial rearing, and natural parasitism in sugarcane fields. Lima, Soc. nac. Agrar., Com. Prod. Azúc. 32 pp. [Rev. Appl. Entomol. 46:500-1.]

916. Risco B., S. H. 1956. The biological cycles of the sugarcane borer, Diatraea saccharalis Fabr., and its native parasite, Paratheresia V. d. W., during different seasons of the year in Peru. Azúcar. 3(10):15-23. [Bibl. Agric. 20:35974.]

917. Risco B., S. H. 1956. The biological cycles of the sugarcane borer, Diatraea saccharalis Fabr., and its native parasite, Paratheresia V. d. W., during different seasons of the year in Peru. Vida Agric. [Lima]. 33(395):839-47. [Bibl. Agric. 21:32785.]

918. Risco, S. H. 1956. The principal insects that attack sugar-cane in Peru. Azúcar. 3(11):41-55. [Rev. Appl. Entomol. 46:501.]

919. Risco Briceño, S. H. 1956. The valley of Pativilca and the biological control of the borer, Diatraea saccharalis Fabr. Azúcar. 3(11):31-40. [Rev. Appl. Entomol. 46:500-1.]

920. Risco B., S. H. 1957. The biological control of the sugarcane borer in sugarcane; effective work during 1956 and the results obtained since that date in the campaign against the sugarcane borer. Azúcar. 4(12):19-34. [Bibl. Agric. 22:45868.]

921. Risco, S. 1958. The campaign of propagation of the fly, Paratheresia claripalpis W., for biological control of Diatraea saccharalis, in the Hda. Andahuasi. Vida Agric. [Lima]. 35(415):327, 329. [Bibl. Agric. 23:14009.]

922. Risco, S. H. 1958. The use of Paratheresia claripalpis W. for the biological control of Diatraea saccharalis Fabr., with special reference to the results obtained in the Pativilca and Huaura Valleys. Rev. peruana Entomol. agric. 1(1): 24-9. [Rev. Appl. Entomol. 49: 118.]

923. Risco, S. H. 1959. Combatting the borer in Peru; success of the campaign of biological control. Proc. I.S.S.C.T. 10:877-86.

924. Risco, S. H. 1959. The efficiency of the indigenous parasites that could be improved or be adapted to new zones where they do not exist; case of the Tachinid fly, Paratheresia claripalpis W., a parasite of the sugarcane borer, Diatraea saccharalis. Vida Agric. [Lima]. 36(427):309, 311, 313-6. [Bibl. Agric. 24:23123.]

925. Risco B., S. H. 1959. An investigation in connection with the infestation of sugar-cane plantations by Diatraea saccharalis Fabr. in the Huánuco Valley. Rev. peruana Entomol. agric. 2(1):74-7. [Rev. Appl. Entomol. 49:489.]

926. Risco, S. H. 1960. The sugarcane borer, Diatraea saccharalis Fabr., general report on the biological control campaign in 1959. Vida Agric. [Lima]. 37[435]:83,85-8. [Bibl. Agric. 24:59156].

927. Risco, S. R. 1963. The biological control of Diatraea saccharalis Fabr. is reinforced by massive release of Trichogramma minutum Riley (Hymenoptera, Trichogrammatidae). Agronomia (LaMolina, Peru). 30(4): 10-9. [Biol. Abstr. 46:8731.]

928. Risco, S. H. 1963. The biological fight against Diatraea saccharalis Fabr., in the plantations of the Cartavio Farm, Trujillo, Peru. Rev. Peruana Entomol. Agric. 6(1): 69-72. [Biol. Abstr. 47:44597.]

929. Risco, S. 1964. Biological control of Diatraea saccharalis Fabr. in Latin America. Reunion Latinoamer. Fitotec. Actas, 6th Reunion. 1: 99-100. [Bibl. Agric. 30:96533.]

930. Risco, S. H. 1964. The insect borers of the genus Diatraea and other borers of the sugar cane in Santa Cruz (Bolivia). Rev. Peruana Entomol. 7(1):13-8. [Biol. Abstr. 48:51866.]

931. Risco, S. H. 1967. Control of the sugar-cane borers Diatraea saccharalis Fabr. and Metamasius hemipterus L. in Ecuador. VIIth Latin American Meeting on Phytotechnology, 17-23 Sept. 1967. pp. 67-8. [Rev. Appl. Entomol. 57:2281.]

932. Risco B.,S. H. 1977. National program of biological control of the sugarcane borers, Diatraea spp., in Brazil. Proc. I.S.S.C.T. 16:797-817.

933. Risco B., S. H. 1978. Success in the introduction of Apanteles flavipes C. in Brazil. I.S.S.C.T. Entomol. Newsl. (4):14-8. [Rev. Appl. Entomol. 67:177.]

934. Risco, S. H. and J. M. Brandao C. 1976. Preliminary results on the propagation of Apanteles flavipes, a parasite of Diatraea spp. in the regional laboratories of the State of Alagoas. Brasil Acucareiro. 87(5):25-9. [CAB Abstr.]

935. Risco, S. H., N. Morales and G. Ayguipa. 1973. Preliminary results in an investigation of sexual attraction for the capture of males by virgin females of Diatraea saccharalis. Bol. Tec. Inst. Cent. Invest. Azucar. 2(4):24-45. [CAB Abstr.]

936. Risco B., S. H., C. E. Ferreira, A. Mendcnca Fo, J. M. B. Costa, S. de M. Sobral and H. D. Souza. 1977. Preliminary report on the distribution of the Diatraea spp. population in the sugarcane area of northeastern Brazil. Bras. Acucar. 89 (4):15-24. [Bibl. Agric. 43: 034644.]

937. Ritchie, A. H. 1916. Report of entomologist for year 1915-1916. Ann. Rep. Jamaica Dep. Agric. for Yr. ended 31 Mar. 1916, Kingston. pp. 31-4. [Rev. Appl. Entomol. 4:421-3.]

938. Rolston, L. H. 1955. The southwestern corn borer in Arkansas. Ark. Agric. Exp. Stn. Bull. 553. 40 pp.

939. Roney, J. N. 1930. A new pupal parasite of the sugar cane moth borer, Diatraea saccharalis Fabr. J. Econ. Entomol. 23(1):286-7. [Rev. Appl. Entomol. 18:413-4.]

940. Rosenfeld, A. H. 1928. Moth borer damage to different varieties of sugar cane. J. Econ. Entomol. 21(1):236. [Rev. Appl. Entomol. 16:404.]

941. Roth, J. P., E. G. King and A. C. Thompson. 1978. Host location behavior by the Tachinid, Lixophaga diatraeae. Environ. Entomol. 7(6): 794-8. [Rev. Appl. Entomol. 67: 3739.]

942. Ruffinelli, A. 1943. Diatraea saccharalis (F.) in Uruguay. Rev. Asoc. Ing. agron. 15(2):19-24. [Rev. Appl. Entomol. 32:388.]

943. Ruffinelli, A. 1944. Diatraea saccharalis (F.) in Uruguay. Exp. Stn. Rec. 90(6):804. [Rev. Appl. Entomol. 32:388.]

944. Ruffinelli, A. 1947. The sugarcane borer, a pest of sugarcane, corn and sorghum. Uruguay. Min. de Ganad. y Agric. B. Inform. 4: 306, 308. [Bibl. Agric. 12:3744.]

945. Ruffinelli, A. 1956. The determination of the levels of infestation, intensity and outbreaks of Diatraea saccharalis F. in the sugarcane of Uruguay. Soc. Uruguaya de Entomol. Rev. 1(1): 57-61. [Bibl. Agric. 22:64542.]

946. Ruffinelli, A. and M. Guareschi. 1964. Results of experiments with granulated insecticides for the control of the sugar-cane borer, Diatraea saccharalis F. Revta Soc. Urug. Entomol. 6:13-7. [Rev. Appl. Entomol. 54:212.]

947. Ruinard, J. 1971. Nature and assessment of losses caused by sugarcane borers. Entomophaga. 16(2):175-83. [Biol. Abstr. 53: 65858.]

948. Ruiz, M. A., A. Martinez and S. Flores. 1968. Statistical estimation of sugar losses due to borer attack (Diatraea - Chilo). Proc. I.S.S.C.T. 13:1292-5. [Rev. Appl. Entomol. 63:1285.]

949. Ruiz Medina, G. A. and C. A. Korytkowski. 1975. Granular insecticides applied to the soil for the control of Diatraea saccharalis in sorghum. Revista Peruana de Entomologia. 18(1):117-9. [Rev. Appl. Entomol. 66:2010.]

950. Ruiz Valhor, L. D. and J. E. Garcia Becerra. 1977. Levels of parasitism in Diatraea saccharalis eggs by Trichogramma spp. in sugarcane and their relation to some climatic factors. Rev. Colomb. Entomol. 3(3/4): 71-8. [Bibl. Agric. 44:011387.]

951. Russo, G. 1927. Dominican Republic: chief insects harmful to crops. Int. Bull. Pl. Prot. 1(7):108-10. [Rev. Appl. Entomol. 16:67-8.]

952. Ruzicka, Z. 1969. Study of the bionomics of Diatraea saccharalis Fabricius. Serie Biológica, Academia de Ciencias de Cuba 15. 22 pp. [Rev. Appl. Entomol. 60:3945.]

953. Ryder, W. D., M. Neyra and O. Chong. 1968. Grain sorghum insects in Cuba, and some effects of DDT high-volume emulsion sprays on their abundance and on yield. Revta cubana Cienc. agric. 2:245-52. [Rev. Appl. Entomol. 58:3446.]

954. Salinas, J. G. 1949. Look out, the sugarcane borer. Asoc. de Tec. Azucareros de Cuba. B. Ofic. 8: 155-60. [Bibl. Agric. 14:5486.]

955. Salt, G. 1926. Report on sugarcane borers at Soledad, Cuba. Contrib. Harvard Inst. Trop. Biol. Med. 3:9-62. [Rev. Appl. Entomol. 14:498-9.]

956. Sánchez Navarrete, F. 1943. Studies on the borer and red rot of sugarcane. Fitófilo. 2(2):3-47. [Biol. Abstr. 19:22969.]

957. Sandhu, J. S. and M. S. Duhra. 1975. Save your sugarcane crop from shoot-borer to get good yield. Prog. Farming. 11(8):10. [Bibl. Agric. 39:224700.]

958. Sanford, J. W. 1971. A comparison of 3 artificial diets for the sugarcane borer. Proc. I.S.S.C.T. 14:462-5.

959. Sanford, J. W. 1976. Inherited sterility in progeny of irradiated male sugarcane borers. J. Econ. Entomol. 69(4):456-8.

960. Sanford, J. W. 1976. Sugarcane borer: seasonal distribution and fate of eggs deposited on sugarcane in Louisiana. J. Georgia Entomol. Soc. 11(4):332-4.

961. Sanford, J. W. 1977. Sugarcane borers: effects of substerilizing doses of gamma irradiation on males irradiated as pupae or adults J. Econ. Entomol. 70(1):104-6.

962. Sanford, J. W. (U.S. Sugarcane Field Stn., Houma, La. 70361). 1978. Dimilin: evaluation for control of the sugarcane borer in a small plot test. ESA Annual Meeting 784 2462 Houston, Tex. 26-30 Nov. 1978. [Conference Papers Index.]

963. Sanford, J. W., L. J. Charpentier and R. Mathes. 1965. Chemical control of the sugarcane borer in Louisiana. Proc. I.S.S.C.T. 12: 1472-3. [Rev. Appl. Entomol. 58: 2584.]

964. Sanford, J. W., G. R. Gaudin, T. E. Reagan and S. D. Hensley. 1979. Comparison of biweekly Guthion applications with 2 dosage rates of Dimilin applied with or without Savol on 1- and 2-week treatment schedules for control of the sugarcane borer, 1977. Insecticide and Acaricide Tests. 4:167.

965. Saplala, V. L. and I. B. Cano. 1962. A preliminary report on the laboratory propagation of the "Cuban fly" (Lixophaga diatraeae, Towns. Tachinidae), a parasite of the sugarcane borers. Philippine Sugar Inst. Q. 8(1):38-44. [Bibl. Agric. 26: 81701.]

966. Sarmiento M., J. and J. Arteaga M. 1976. Effect of the formulation of an insecticide on the control of the fall armyworm Spodoptera frugiperda S & A (Lep.: Noctuidae). Revista Peruana de Entomologia. 19(1):82-4. [Rev. Appl. Entomol. 67:184.]

967. Sarmiento, J. and W. Villacorta. 1972. Size of plant in relation to chemical control of Diatraea saccharalis Fab. in corn. Rev. Peruana Entomol. Agric. 15(2): 342-4. [Bibl. Agric. 37:038318.]

968. Saxena, A. P. 1977. Role of egg-parasites in the control of sugarcane borers (Lepidoptera). Z. ang. Ent. 84:299-305.

969. Scaramuzza, L. C. 1930. Preliminary report on a study of the biology of Lixophaga diatraeae Tns. J. Econ. Entomol. 23(6):999-1004. [Rev. Appl. Entomol. 19:214-5.]

970. Scaramuzza, L. C. 1931. Preliminary report on a study of the biology of Lixophaga diatraeae Tns. Proc. 4th Conf. Asoc. Téc. Azuc. Cuba 1930. pp. 59-63. [Rev. Appl. Entomol. 22:206.]

971. Scaramuzza, L. C. 1933. Prospects for the control of the sugar cane moth stalkborer (Diatreae saccharalis Fab.) in Cuba by means of natural enemies. Proc. 6th Conf. Asoc. Téc. Azuc. Cuba 1932. pp. 87-93. [Rev. Appl. Entomol. 22: 185-6.]

972. Scaramuzza, L. C. 1945. Biological control of the sugarcane borer in Cuba, by means of the fly Lixophaga. Asoc. de Téc. Azucareros de Cuba. Proc. 19:11-6. [Bibl. Agric. 10:10365.]

973. Scaramuzza, L. C. 1946. Biological control of the sugarcane borer on sugarcane in Cuba by the fly Lixophaga. Inst. Cubano de Suelos Abonos. B. 5:839-45. [Bibl. Agric. 10:17080.]

974. Scaramuzza, L. C. 1947. Losses to the sugar industry. Internat. Sugar J. 49(578):38-40. [Biol. Abstr. 22:15071.]

975. Scaramuzza, L. C. 1948. Losses caused by the sugarcane borer. Tierra Libre. 12(11):18. [Bibl. Agric. 12:26563.]

976. Scaramuzza, L. C. 1949. Effects of the 1948 cyclone on the biological control of the sugar cane borer at Central Conchita. Asoc. de Téc. Azucareros de Cuba. Proc. 23:29-32. [Bibl. Agric. 15:60793.]

977. Scaramuzza, L. C. 1950. Comments about the control of the sugarcane borer by insecticides. Asoc. de Téc. Azucareros de Cuba. B. Ofic. 9:97-100. [Bibl. Agric. 14:85584.]

978. Scaramuzza, L. C. 1950. The effects of biological control of the sugarcane borer in sugarcane. Cong. Nac. de Quim. Azucareros. Mem. 4:118-20. [Bibl. Agric. 16:17073.]

979. Scaramuzza, L. C. 1951. Biological control and its results against the sugar-cane borer, Diatraea saccharalis (Fabr.), in Cuba by means of the fly, Lixophaga diatraeae (Towns.). Foll. misc. Sec. Agric. Mex. (4): 282-92. [Rev. Appl. Entomol. 42: 271.]

980. Scaramuzza, L. C. 1951. Some new developments in sugarcane entomology. Mem. Asoc. Tecn. Azucareros Cuba. 25:33-40. [Biol. Abstr. 31:33024.]

981. Scaramuzza, L. C. 1952. The Cuban fly in control of the sugarcane borer in sugarcane. Vida Agric. 29:479, 481, 483-4. [Bibl. Agric. 16:86002.]

982. Scaramuzza, L. C. 1958. The Cuban fly and the sugarcane borer. Cubazúcar. 3(5):13-4. [Bibl. Agric. 22:73601.]

983. Scaramuzza, L. C. 1958. Mechanization and borer control; status of cane agriculture in Cuba. Sugar. 54(10):41-3. [Bibl. Agric. 23: 6288.]

984. Scaramuzza, L. C. 1959. About the biological control of the sugarcane borer. Vida Agric. [Lima]. 36(429):453, 455-6. [Bibl. Agric. 24:32534.]

985. Scaramuzza, L. C. 1959. Biological control of the sugarcane borer in Cuba. Sugar J. 21:45-7.

986. Scaramuzza, L. C. 1959. Damage by the sugarcane borer in Louisiana and Cuba. The importance of biological control. Proc. I.S.S.C.T. 10:938-42.

987. Scaramuzza, L. C. 1964. The 2-4-D herbicides and the fly Lixophaga diatraea. Agrotecnia (Cuba). 2(4):9-11. [Biol. Abstr. 48:77452.]

988. Scaramuzza, L. C. and F. V. Barry. 1959. A list of insects and animals affecting sugarcane in Cuba. Proc. I.S.S.C.T. 10:994-1000.

989. Scaramuzza, L. C. and J. Fernández Pérez. 1946. Progress in the biological control of the sugarcane borer in Cuba. Asoc. de Téc. Azucareros de Cuba. Proc. 20: 35-41. [Bibl. Agric. 12:10634.]

990. Scaramuzza, L. C. and J. W. Ingram. 1942. Results attained in the biological control of Diatraea saccharalis (F.) in Florida. J. Econ. Entomol. 35(5):642-5. [Rev. Appl. Entomol. 31:239-40.]

991. Scaramuzza, L. C., R. Fernandez Artiles and J. Fernandez Perez. 1947. Results of biological control of the sugar cane borer in Cuba. Proc. Assoc. Sugar Technologists Cuba. 21:1-6. [Biol. Abstr. 24:7479.]

992. Scaramuzza, L. C., R. Fernández Artiles and J. Fernández Pérez. 1948. Controlling the sugar cane borer in Cuba by biological control. Asoc. de Téc. Azucareros de Cuba. Proc. 22:37-40. [Bibl. Agric. 14: 5488.]

993. Scaramuzza, L. C., R. Fernández Artiles and J. Fernández Pérez. 1948. Results obtained with biological control of the sugarcane borer in Cuba. Zafra. 1(9):26-30. [Bibl. Agric. 13:12986.]

994. Senmache Santa Cruz, J. M., C. Sosa Moss, G. Granados Reynaud and C. García Montalvo. 1974. Breeding of Diatraea saccharalis Fab. (Lepidoptera: Pyralidae) and its application in the evaluation of resistance in corn. Agrociencia. (18):3-13.

995. Sgrillo, R. B., J. M. M. Walder and F. M. Wiendl. 1977. Progress in the rearing of the sugarcane borer, Diatraea saccharalis (F.), at the Agricultural Nuclear Energy Center. O Solo. 69(1):58-60. [Bibl. Agric. 44:011375.]

996. Sgrillo, R. B., F. M. Wiendl and W. L. Tornisielo. 1975. Semi-automatic method for distribution of eggs of sugarcane borer (Diatraea saccharalis) in the rearing cups. Revista de Agricultura, Piracicaba. 50(3/4):121-2. [Rev. Appl. Entomol. 65:1896.]

997. Sgrillo, R. B., F. M. Wiendl, G. Collette and V. Arthur. 1975. Labelling of the sugar-cane borer (Diatraea saccharalis (Fabr.)) with radioactive phosphorus (preliminary note). Revista de Agricultura, Piracicaba. 50(3/4):108. [Rev. Appl. Entomol. 65:1895.]

998. Shepherd, F. R. and W. Howell. 1925. Work in connection with insect and fungus pests and their control. Rep. Agric. Dep. St. Kitts-Nevis, 1924-25. pp. 5-6, 33-34. [Rev. Appl. Entomol. 14: 301.]

999. Shepherd, F. R. and W. Howell. 1927. Work in connection with insect and fungus pests and their control. Rep. Agric. Dep. St. Kitts-Nevis, 1925-26. pp. 4-6, 24. [Rev. Appl. Entomol. 15:494.]

1000. Sherman, F. 1919. Report of the division of entomology. 42nd Ann. Rep. N. C. Agric. Exp. Stn., 1918-19, Raleigh. pp. 54-8. [Rev. Appl. Entomol. 9:104-5.]

1001. Shubin, V. F. 1964. Biological control of sugarcane pest Diatraea saccharalis. Vest. Sel'skokhoz. Nauki Moscow. 12:133-5. [Bibl. Agric. 29:63717.]

1002. Silva, G. M. de A. and R. S. de Moraes. 1977. The effects of borers and rot diseases on the quality of sugarcane. Proc. I.S.S.C.T. 16:745-54.

1003. Silviera-Guido, A. and J. C. Bruhn. 1966. New method for evaluating the damage caused by the sugarcane borer (Diatraea saccharalis F.). Rev. Peruana Entomol. 9(1):130-5. [Biol. Abstr. 50:123203.]

1004. Silveiro Guido, A. and J. Carbonell Bruhn. 1967. New method for the evaluation of damage caused by the sugar-cane borer (Diatraea saccharalis F). VIIth Latin American Meeting on Phytotechnology, 17-23 Sept. 1967. pp. 259-61. [Rev. Appl. Entomol. 57:2313.]

1005. Simmonds, F. J. 1953. Insect pests of sugar-cane in the French Antilles. Trop. Agric. 30(4-6):122-7. [Rev. Appl. Entomol. 44:222.]

1006. Simmonds, F. J. 1955. Establishment of parasites of Diatraea saccharalis F. in Dominica (British West Indies) and Guadeloupe (French West Indies). Trop. Agric. (Trin.). 32(3):198-200. [Rev. Appl. Entomol. 44:354-5.]

1007. Simmonds, F. J. 1956. Additional note on the parasites of Diatraea saccharalis F. in the French Antilles. Trop. Agric. (Trin.). 33(3):232. [Rev. Appl. Entomol. 46:135.]

1008. Simmonds, F. J. 1956. Seasonal variation in attack by Diatraea spp. on sugar cane in Trinidad. Trop. Agric. (Trin.). 33(3):221-31. [Rev. Appl. Entomol. 46:134-5.]

1009. Simmonds, F. J. 1959. The successful biological control of the sugarcane moth-borer, Diatraea saccharalis, F. (Lepidoptera, Pyralidae) in Guadeloupe, B. W. I. Proc. I.S.S.C.T. 10:914-9.

1010. Simmonds, F. J. 1959. The successful breeding of Palpozenillia palpalis (Ald.) (Diptera, Tachinidae) a parasite of Diatraea spp. Trop. Agric. 35(3):218-24. [Biol. Abstr. 35: 19821.]

1011. Simmonds, F. J. 1976. Some recent puzzles in biological control. Entomophaga. 21(4): 327-32. [Rev. Appl. Entomol. 65:5132.]

1012. Simón, J. E. and M. Arellano. 1959. Control of the borer Diatraea saccharalis with organic insecticides. Rev. peruana Entomol. agric. 2(1):81-3. [Rev. Appl. Entomol. 49:490.]

1013. Simon F., J. E. and M. Arellano. 1960. Control of the sugarcane borer (Diatraea saccharalis) with organic insecticides. Agronomia [Lima]. 27(1):79-83. [Bibl. Agric. 25:5528.]

1014. Simon F., J. E. and M. Arellano. 1960. Control of the sugarcane borer, Diatraea saccharalis, with organic insecticides. Vida Agric. [Lima]. 37(436):125, 127, 129, 131-2. [Bibl. Agric. 24:86689.]

1015. Simon F., J. E. and M. Arellano. 1960. Control of the sugarcane borer with organic insecticides. Lima. Estac. Exp. Agric. de La Molina. Informe Mens. 34(391): 1-6. [Bibl. Agric. 24:94112.]

1016. Sivasubramanian, M. 1972. Control of sugarcane borers through "Trichogramma" parasites. Farm Fact. 7(1):47-8. [Bibl. Agric. 37:059917.]

1017. Skeete, C. C. 1925. The cotton industry; entomological work. Rep. Dep. Agric. Barbados, 1924-25. pp. 5-6, 9-10. [Rev. Appl. Entomol. 14:47.]

1018. Skeete, C. C. 1925. Entomological and mycological work. Rep. Dep. Agric. Barbados, 1923-24. pp. 8-10. [Rev. Appl. Entomol. 13:424-5.]

1019. Skeete, C. C. 1926. Entomological work. Rep. Dep. Agric. Barbados, 1925-26. pp. 9-10. [Rev. Appl. Entomol. 14:626-7.]

1020. Skeete, C. C. 1928. Entomological work. Rep. Dep. Agric. Barbados, 1926-27. pp. 14-15. [Rev. Appl. Entomol. 17:44.]

1021. Skeete, C. C. 1929. Entomological Notes. Rep. Dep. Agric. Barbados, 1927-28. pp. 20-1. [Rev. Appl. Entomol. 17:356.]

1022. Smith, L. 1921. Sugar cane in St. Croix. Virgin Island Agric. Exp. Stn., St. Croix, Bull. 2. 23 pp. [Rev. Appl. Entomol. 10: 167-8.]

1023. Smith, J. W. (USDA, SEA, Bioenvironmental Insect Control Lab., Stoneville, Miss. 38776). 1978. Population management of Diatraea saccharalis with releases of a parasite, Lixophaga diatraeae, in Florida. ESA Annual Meeting 784 2462 Houston, Tex. 26-30 Nov. 1978. [Conference Papers Index.]

1024. Smyth, E. G. 1920. Our friend Anolis. Rev. Agric. Puerto Rico, San Juan. 4(5):11-21. [Rev. Appl. Entomol. 8:483-4.]

1025. Smyth, E. G. 1933. Technique in the mass production of Trichogramma. J. Econ. Entomol. 26(4):768-74. [Rev. Appl. Entomol. 21:597-8.]

1026. Smyth, E. G. 1938. Trichogramma proves itself in sugarcane borer control. Proc. I.S.S.C.T. 6: 367-77.

1027. Snow, J. W., W. W. Cantelo, R. L. Burton and S. D. Hensley. 1968. Populations of fall armyworm, corn earworm and sugarcane borer on St. Croix, U.S. Virgin Islands. J. Econ. Entomol. 61(6):1757-60.

1028. Solomon, M. E. 1973. Ecology in relation to the management of insects. Insects: studies in population management...a collection of papers presented under the heading 'Population Management and Integrated Control' at the 14th International Congress of Entomology, Canberra 1972, sponsored by the Australian Academy of Science and the Australian Entomological Socity. pp. 153-67. [Rev. Appl. Entomol. 62:3381.]

1029. Southwood, T. R. E. and H. N. Comins. 1976. A synoptic population model. J. Anim. Ecol. 45(3):949-65. [Rev. Appl. Entomol. 65:3090.]

1030. Souza, H. D. de and M. F. da Silva. 1976. The sugarcane borer and its behavior in the sugarcane region. Bras. Acucar. 87(3):13-21. [Bibl. Agric. 41:039773.]

1031. Squire, F. A. 1933. Insect pests of rice and padi. Rice Bull. British Guiana Dep. Agric. 1. pp. 51-7. [Rev. Appl. Entomol. 22: 136-7.]

1032. Squire, F. A. 1936. Observations on the pupal respiration of some insects of economic importance. Bull. entomol. Res. 27(pt. 3): 381-4. [Rev. Appl. Entomol. 25: 73-4.]

1033. Squire, F. A. 1936. Report on the entomological division for the year 1935. Divl. Rep. Dep. Agric. British Guiana 1935. pp. 105-8. [Rev. Appl. Entomol. 25: 252.]

1034. Squire, F. A. 1972. Insect pests of fruit crops. PANS. 18(3):259-60. [Rev. Appl. Entomol. 61: 388.]

1035. Stahl, C. F. and L. C. Scaramuzza. 1929. Soil insects attacking sugar cane in Cuba. Bull. Trop. Plant Res. Found 10. 19 pp. [Rev. Appl. Entomol. 18:165-6.]

1036. Starr, D. F. 1956. Ryania 100% for control of sugarcane borers. Agric. Chem. 11:48-51, 127.

1037. Starr, D. F. 1956. Ryania 100% for control of sugarcane borers. Assoc. South. Agric. Workers. Proc. 53:148-9. [Bibl. Agric. 21:7823.]

1038. Stehlé, H. 1935. Interpretation of the biological methods giving protection to the crops of Guadeloupe. Agron. colon. (214):98-101. [Rev. Appl. Entomol. 24:68-9.]

1039. Stehle, H. 1958. The correlation between the flowering of cane, the length of the stalk, the resistance to the wind and the attack by the borers. Rev. Agric. Sucr. et Rhumiere des Antilles Franc. 3(1):31-8. [Bibl. Agric. 23:1456.]

1040. Strong, L. A. 1922. Bureau of plant quarantine. Synopsis of work for the months of November and December 1921. Mon. Bull. Cal. Dep. Agric., Sacramento. 11(4):413-20. [Rev. Appl. Entomol. 10:357-8.]

1041. Strong, L. A. 1936. Report of the chief of the bureau of entomology and plant quarantine, 1936. U.S. Dep. Agric., Washington, D.C. 121 pp. [Rev. Appl. Entomol. 25: 408-14.]

1042. Strong, L. A. 1938. Report of the chief of the bureau of entomology and plant quarantine, 1938. U.S. Dep. Agric., Washington, D.C. 84 pp. [Rev. Appl. Entomol. 27: 376-82.]

1043. Strong, L. A. 1940. Report of the chief of the bureau of entomology and plant quarantine, 1939. U.S. Dep. Agric., Washington, D.C. 117 pp. [Rev. Appl. Entomol. 28: 572-8.]

1044. Strong, L. A. 1940. Report of the chief of the bureau of entomology and plant quarantine, 1940. U.S. Dep. Agric., Washington, D.C. 128 pp. [Rev. Appl. Entomol. 29: 425-31.]

1045. Stuart, G. M. 1933. Lixophaga versus moth borer. Interesting experiments in Antigua. West Ind. Comm. Circ. 68(894):17. [Rev. Appl. Entomol. 21:162.]

1046. Stubbs, W. C. 1902. Sugar cane borer moth. (Diatraea saccharalis.). La. Agric. Exp. Stn. Bull. 70 (2nd Ser.). pp. 885-927.

1047. Sturdy, D. 1946. Annual report. Dep. Sci. Agric., Jamaica. 16 pp. [Biol. Abstr. 22:22132.]

1048. Summers, T. E. 1975. Parasitism and control of the sugar cane borer by field released Lixophaga diatraea (T.). Proc. A.S.S.C.T. (2nd Ser.). 5:131.

1049. Summers, T. E. 1975. Some calculated costs and returns from monitoring Florida sugarcane for the sugarcane borer, Diatraea saccharalis (F.). Proc. A.S.S.C.T. (New Ser.) 5:130. [Bibl. Agric. 41:070949.]

1050. Summers, T. E., E. G. King, D. F. Martin and R. D. Jackson. 1976. Biological control of Diatraea saccharalis (Lep.: Pyralidae) in Florida by periodic releases of Lixophaga diatraeae (Dipt.: Tachinidae). Entomophaga. 21(4): 359-66.

1051. Taylor, D. J. 1944. Life history studies of the sugarcane moth borer, Diatraea saccharalis Linn. Fla. Entomol. 27(1):10-3. [Rev. Appl. Entomol. 33:116.]

1052. Teetes, G. L. and N. M. Randolph. 1968. Resistance of certain corn and grain sorghum varieties to attacks of the sugarcane borer, Diatraea saccharalis (F.). Tex. Agric. Exp. Stn. Progr. Rep. PR-2580. 5 pp. [Bibl. Agric. 33: 8313.]

1053. Teetes, G. L. and N. M. Randolph. 1971. Insecticide sprays & granules for control of sugarcane borer on grain sorghum. Tex. Agric. Exp. Stn. Prog. Rep. (consol. Prog. Rep.). 2863/2876:29-31. [Bibl. Agric. 36:043122.]

1054. Teetes, G. L. and N. M. Randolph. 1971. Resistance of certain grain sorghum varieties to attacks of sugarcane borer. Tex. Agric. Exp. Stn. Prog. Rep. (consol. Prog. Rep.). 2863/2876:31-2. [Bibl. Agric. 36:043123.]

1055. Terán, F. O. 1968. The potential use of insecticide-treated cane pieces to attract and control adults of the sugarcane weevil, Metamasius bilobus, in Bolivia. J. Econ. Entomol. 61(4):1031-3. [Rev. Appl. Entomol. 57:129.]

1056. Terán, F. O. 1979. Sugarcane nutrition modifies infestation by Diatraea spp. I.S.S.C.T. Entomol. Newsl. (6):20-3. [Rev. Appl. Entomol. 68:1383.]

1057. Teran, F. O. and W. R. T. Novaretti. 1976. Preliminary results of control activities against the sugarcane borer Diatraea saccharalis (F.) (Lepidoptera: Crambidae) in Sao José Sugar Estates, Macatuba, Sao Paulo. Entomol. Newsl., South Africa. (3):3. [Rev. Appl. Entomol. 65: 1795.]

1058. Teran, F. O. and W. R. Novaretti. 1977. Management of populations of Diatraea saccharalis (Fabr. 1794) (Lepidoptera:Crambidae) in sugarcane fields of São Paulo, Brazil. Proc. I.S.S.C.T. 16: 671-87.

1059. Teran, F. O., W. R. T. Novaretti and E. J. Nelli. 1976. Preliminary results of control activities against the sugarcane borer Diatraea saccharalis (F.) (Lepidoptera: Crambidae) in Barra Grande Sugar Estates, Lencois Paulista, Sao Paulo. Entomol. Newsl., South Africa. (3):3. [Rev. Appl. Entomol. 65:3796.]

1060. Terra, J. G. 1957. A rice stalk pest Diatraea saccharalis (F.). Lav. Arroz. 11(128):276. [Bibl. Agric. 22:26996.]

1061. Torre y Callejas, S. L. de la. 1971. Results of an investigation on the possibility of using the insect Trichogramma (Hymenoptera, Trichogrammatidae) in the biological control of the borer Diatraea saccharalis (F.) in Cuba. Ciencias Biológicas, Habana (Ser. 4). 14:1-15. [Rev. Appl. Entomol. 60:3598.]

1062. Torre Callejas, S. L. de la and M. Diaz Azpiazu. 1975. Some investigations made in Cuba about the utilization of Corcyra cephalonica (Stainton) in the artificial breeding of Trichogramma. Ciencias, Serie 11. (14):7-15. [Rev. Appl. Entomol. 66:2557.]

1063. Torre Callejas, S. L. de la and M. Diaz Azpiazu. 1975. Some investigations made in Cuba about the utilization of Corcyra cephalonica (Stainton) in the artificial breeding of Trichogramma. VIII Intl. Plant Protection Cong., Moscow 1975. Reports and informations. Section V. Biol. genetic control. pp. 193-4. [Rev. Appl. Entomol. 65:991.]

1064. Torres Gau, C., C. Sosa Moss and A. Ortega Corona. 1973. Behavior of hybrid corn varieties when attacked by Diatraea saccharalis Fabricius (Lepidoptera, Pyralidae) in Argentina. Folia Entomol. Mex. 25-26:93-4.

1065. Torres G., C., C. Sosa Moss and A. Ortega C. 1973. Response of maize varieties and hybrids to attack by Diatraea saccharalis Fabricius (Lepidoptera: Pyralidae) in Argentina. Agrociencia. (13): 31-41. [CAB Abstr.]

1066. Torres, C., C. Senigagliesi, A. Mattiolo and R. Bercini. 1975. Studies on the chemical control of the maize borer Diatraea saccharalis Fab. in maize crops in 1973/74. Informe Técnico, Estación Experimental Regional Agropecuaria Pergamino, Instituto Nacional de Tecnologia Agropecuaria 133. 12 pp. [Rev. Appl. Entomol. 65: 3222.]

1067. Tower, W. V. 1920. Report of the entomologist. Rep. Porto Rico Agric. Exp. Stn. 1919, Mayaguez. pp. 21-5. [Rev. Appl. Entomol. 9:222.]

1068. Townsend, C. H. T. 1928. Insects attacking cotton and sugar-cane in Peru. Bol. Estac. exper. agric. Soc. nac. agrar. (1): 29 pp. [Rev. Appl. Entomol. 17:100.]

1069. Townsend, C. H. T. 1934. New neotropical Oestromuscoid flies. Rev. Entomol. 4(3):390-406. [Rev. Appl. Entomol. 22:595.]

1070. Townsend, C. H. T. 1941. New fly parasites of Diatraea in São Paulo. Rev. Entomol. 12(pt. 1-2): 339-41. [Rev. Appl. Entomol. 30: 425.]

1071. Treat, A. E. and C. H. W. Flechtmann. 1979. Charletonia rocciai n.sp. (Acari, Prostigmata, Erythraeidae), an ectoparasite of the Amazon fly. Intl. J. Acarology. 5(2):117-22. [Rev. Appl. Entomol. 68:861.]

1072. Tseng, H. T. 1975. Liberation of Trichogramma australicum for the control of sugarcane borers. Taiwan Sugar. 22(4):133-4. [Bibl. Agric. 40:049734.]

1073. Tucker, R. W. E. 1929. Sugar-cane borers. Trop. Agric. 6(8):224-6. [Rev. Appl. Entomol. 17:614.]

1074. Tucker, R. W. E. 1930. Report of the entomologist. Rep. Dep. Sci. Agric. Barbados 1928-29. pp. 79-84. [Rev. Appl. Entomol. 18: 468-9.]

1075. Tucker, R. W. E. 1930. Report of the entomologist. Rep. Dep. Sci. Agric. Barbados 1929-30. pp. 109-14. [Rev. Appl. Entomol. 19: 172.]

1076. Tucker, R. W. E. 1930. Sugar-cane borers. The control of Diatraea saccharalis in Barbados by mass liberations of Trichogramma minutum. Trop. Agric. 7 (11):292-5. [Rev. Appl. Entomol. 19:105-6.]

1077. Tucker, R. W. E. 1931. Report of the entomologist. Rep. Dep. Sci. Agric. Barbados 1930-31. pp. 80-97. [Rev. Appl. Entomol. 19: 720-1.]

1078. Tucker, R. W. E. 1931. Sugar-cane borers. The mass Breeding of Trichogramma minutum to control Diatraea saccharalis in Barbados during 1930. Trop. Agric. 8(11): 283-8. [Rev. Appl. Entomol. 20: 98-9.]

1079. Tucker, R. W. E. 1932. Entomological section. Agric. J. Dep. Sci. Agric. Barbados. 1(2):24-5. [Rev. Appl. Entomol. 20:612.]

1080. Tucker, R. W. E. 1932. The status of Trichogramma as a control of Diatraea saccharalis in Barbados. Proc. I.S.S.C.T. 4: Bull. 102, 6 pp.

1081. Tucker, R. W. E. 1933. Rate of egg deposition of Diatraea saccharalis and extent of larval mortality in canefields and their relation to control of Diatraea by Trichogramma minutum. Agric. J. Dep. Sci. Agric. Barbados. 2(4):33-52. [Rev. Appl. Entomol. 22:325-6.]

1082. Tucker, R. W. E. 1933. Varietal factors in cane which may influen extent of oviposition by D. saccharalis and a possible method fo determining varietal susceptibili to borer attack. Agric. J. Dep. Sci. Agric. Barbados. 2(4):53-9. [Rev. Appl. Entomol. 22:326.]

1083. Tucker, R. W. E. 1934. A contribution towards the solution of the problem of control of Diatraea saccharalis in cane through a mathematical evaluation of the rea mortality of D. saccharalis due to egg parasites, egg predators, natural larval mortality, larval parasitism and other factors. Agric. J. Barbados. 3(1):59-80. [Rev. Appl. Entomol. 22:538-9.]

1084. Tucker, R. W. E. 1934. A further contribution to the analysis of field data on Diatraea saccharalis in Barbados. Agric. J. Barbados. 3(4):26-32. [Rev. Appl. Entomol. 23:240.]

1085. Tucker, R. W. E. 1934. Report on entomological section. Agric. J. Barbados. 3(2):16-9. [Rev. Appl. Entomol. 22:699.]

1086. Tucker, R. W. E. 1934. Report on visit to Antigua May 24th-June 20th 1934 to obtain Lixophaga diatraeae. Pamphl. Dep. Sci. Agric. Barbados 10. 11 pp. [Rev. Appl. Entomol. 23:421.]

1087. Tucker, R. W. E. 1935. The control of Diatraea saccharalis in sugar cane in Barbados, by frequent liberation of mass reared Trichogramma. A review of data obtained from 1929-1934. Agric. J. Dep. Sci. Agric. Barbados. 4(1):25-50. [Biol. Abstr. 10:11513.]

1088. Tucker, R. W. E. 1935. The effect of climatic conditions on Diatraea saccharalis. Agric. J. 4(3):114-28.

1089. Tucker, R. W. E. 1935. Report on entomological section for year ending March 31st, 1935. Agric. J. Barbados. 4(2):62-5. [Rev. Appl. Entomol. 23:712-3.]

1090. Tucker, R. W. E. 1935. A review of control work on Diatraea saccharalis F. in Barbados. Proc. I.S.S.C.T. 5:386-98.

1091. Tucker, R. W. E. 1936. Parasites introduced into Barbados for control of insect pests. Agric. J. Barbados. 5(1): 22 pp. [Rev. Appl. Entomol. 24:606.]

1092. Tucker, R. W. E. 1936. A preliminary investigation into cane varieties and infestation by Diatraea saccharalis. Agric. J. Barbados. 5(4):121-42. [Rev. Appl. Entomol. 25:510-1.]

1093. Tucker, R. W. E. 1936. Report on the entomological section for the year ending March 21st, 1936. Agric. J. Barbados. 5(2):67-75. [Rev. Appl. Entomol. 25:42.]

1094. Tucker, R. W. E. 1937. Larval dispersion of Diatraea saccharalis. Agric. J. Barbados. 6(4):157-69. [Rev. Appl. Entomol. 26:448.]

1095. Tucker, R. W. E. 1937. Report on the entomological section for the year ending 31st March, 1937. Agric. J. Barbados. 6(2):74-82. [Rev. Appl. Entomol. 26:221-2.]

1096. Tucker, R. W. E. 1938. Some aspects of the control of the sugarcane moth borer, Diatraea saccharalis F. Proc. I.S.S.C.T. 6:240-3.

1097. Tucker, R. W. E. 1939. Introduction of dry area race of Metagonystylum minense into Barbados. Agric. J. Barbados. 8(4):113-31. [Rev. Appl. Entomol. 29:3-5.]

1098. Tucker, R. W. E. 1939. Report on the entomological section for the year ending 31st March 1939. Agric. J. Barbados. 8(2):56-60. [Rev. Appl. Entomol. 28:413-4.]

1099. Tucker, R. W. E. 1940. An account of Diatraea saccharalis F. with special reference to its occurrence in Barbados. Trop. Agric. 17(7): 133-8. [Rev. Appl. Entomol. 29: 160.]

1100. Tucker, R. W. E. 1950. A twenty-year record of the biological control of one sugar-cane pest. Proc. I.S.S.C.T. 7:343-54.

1101. Tucker, R. W. E. 1953. Biological control of insect pests in Barbados. Proc. I.S.S.C.T. 8:573-81.

1102. Turco, C. P., S. H. Hopkins and W. H. Thames Jr. 1970. Susceptibility of five insect pests to Neoaplectana glaseri Steiner, 1929. J. Parasitol. 56(2):277-80. [Rev. Appl. Entomol. 59:226.]

1103. U.S. Bureau of Entomology and Plant Quarantine and Louisiana Agricultural Experiment Station. 1945. Recommendations for the control of the sugarcane borer in Louisiana in 1945 by dusting with cryolite. Sugar Bull. 23:100. [Bibl. Agric. 6:26358.]

1104. Urich, F. W. 1915. Insects affecting the sugar-cane in Trinidad. Bull. Dep. Agric. Trinidad & Tobago, Port-of-Spain. 14(5):156-61. [Rev. Appl. Entomol. 4:29-30.]

1105. Valdes Barry, F., D. Flesh and R. Barreto Dominguez. 1949. Farms and plantations suffer numerous losses to the sugarcane borer. Agrotecnia. 3(6):17-21. [Bibl. Agric. 14:38973.]

1106. Valdes Barry, F., D. Flesh and R. Barreto Dominguez. 1952. The sugarcane borer causes substantial losses. Caña y Azúcar. 1(4): 17-9. [Bibl. Agric. 17:17167.]

1107. Valsechi, O. 1949. Present possibilities for the control of the sugarcane borer, Diatraea saccharalis. Brasil Acucareiro. 33:458-61. [Bibl. Agric. 13: 78652.]

1108. Valsechi, O., F. P. Gomes, E. R. de Oliveira and D. Gallo. 1960. Correlation between number of sugarcane internodes with externally perforated rind and internodes internally damaged by the sugarcane borer. An. Escola Super. Agric. "Luiz Queiroz". 17:293-345. [Biol. Abstr. 45: 3736.]

1109. Valsechi, O., E. R. de Oliveira and D. Varbin. 1977. The effect of Diatraea saccharalis infestation on the juice and stalk composition of sugar cane. Brasil Acucareiro. 90(6):35-65. [CAB Abstr.]

1110. Van Zwaluwenburg, R. H. 1950. The insects affecting sugar cane in Mexico. Proc. I.S.S.C.T. 7: 373-7.

1111. Viamonte Morales, C. and G. Porres. 1946. Observations of the damage caused by the sugarcane borer. Finca. 1(3):32-4. [Bibl. Agric. 10:17090.]

1112. Viator, D. P. 1970. Genetic behavior of resistance in sugarcane to the sugarcane borer, Diatraea saccharalis (F.). Dissertation. La. State Univ., Baton Rouge. 114 pp. [Diss. Abstr. Intl. 31(9):5121B.]

1113. Viator, S. J. 1974. A review of sugarcane borer control in Louisiana. Proc. A.S.S.C.T. (2nd Ser.). 4:113-4.

1114. Viator, D. P. and M. T. Henderson. 1971. Genetic behavior of resistance in sugarcane to the sugarcane borer, Diatraea saccharalis (F.). Proc. I.S.S.C.T. 14:276-85.

1115. Vignes, W. G. des. 1977. Sampling, distribution and natural control of Diatraea spp. on sugarcane and grasses in Trinidad. Proc. I.S.S.C.T 16:729-35.

1116. Vignes, W. G. des. 1978. Types of Diatraea tunnels in sugarcane stalks in Trinidad. I.S.S.C.T. Entomol. Newsl. (5):9-10. [Rev. Appl. Entomol. 67:2728.]

1117. Villacorta, A. and J. A. Magro. 1975. Mass rearing of Diatraea saccharalis (Lepidoptera: Pyralidae) in the laboratory. An. Soc. Entomol. Brazil. 4(1):43-8. [Rev. Appl. Entomol. 65:4838.]

1118. Virkki, N. 1963. Gametogenesis in Diatraea saccharalis (Fabr.). P. R. U. J. Agric. 47(1):57-9. [Bibl. Agric. 27:73863.]

1119. Virkki, N. 1963. Gametogenesis in the sugarcane borer moth, Diatraea saccharalis (F.) (Crambidae). P. R. U. J. Agric. 47(2):102-37. [Bibl. Agric. 28: 23910.]

1120. Virkki, N., D. W. Walker and C. L. Rodriguez. 1969. Excision of gonads from immature Diatraea. Ann. Entomol. Soc. Am. 62(2): 457-8. [Biores. Index 5:32861.]

1121. Vizioli, J. 1926. The more common pests of sugar-cane fields in S. Paulo. Bol. Agric. 27(11-2): 414-20. [Rev. Appl. Entomol. 16: 607.]

1122. Wadley, F. M. 1937. Observations on some insects associated with sugarcane in Puerto Rico. J. Agric. Univ. Puerto Rico. 21(2): 103-14. [Rev. Appl. Entomol. 26: 39-40.]

123. Walder, J. O. (Dep. Entomol., La. State Univ., Baton Rouge, La. 70803). 1977. Effects of low doses of gamma radiation on reproduction, survival, & behavior of Diatraea saccharalis (F.). ESA Annual Meeting A774071 Washington, D.C. 27 Nov. - 1 Dec. 1977. [Conference Papers Index.]

1124. Walker, D. W. 1965. Bionomics of the sugarcane borer Diatraea saccharalis (Fab.). I. A description of the mating behavior (Lepidoptera: Crambidae). Proc. entomol. Soc. Wash. 67(2):80-3. [Rev. Appl. Entomol. 58:2563.]

1125. Walker, D. W. 1968. Potential for control of the sugar-cane borer through radio-induced sterility. Radiation, radioisotopes and rearing methods in the control of insect pests. Proc. panel...organized joint FAO/IAEA Division Atomic Energy Food Agriculture Tel Aviv. pp. 131-40. [Rev. Appl. Entomol. 57:1733.]

1126. Walker, D. W. and A. V. Alemañy. 1965. Biology of the sugarcane borer, Diatraea saccharalis (Fabr.). II. Longevity of adults. Proc. I.S.S.C.T. 12:1469-71. [Rev. Appl. Entomol. 58:2583.]

1127. Walker, D. W. and M. Figueroa. 1964. Biology of the sugarcane borer, Diatraea saccharalis (Lepidoptera: Crambidae) in Puerto Rico. III. Oviposition rate. Ann. Entomol. Soc. Am. 57(4):515-6. [Rev. Appl. Entomol. 52:559.]

1128. Walker, D. W. and K. B. Pedersen. 1969. Population models for suppression of the sugarcane borer by inherited partial sterility. Ann. Entomol. Soc. Am. 62(1):21-6. [Biol. Abstr. 50:72797.]

1129. Walker, D. W. and V. Quintana. 1967. Gamma induced sterility in the sugarcane moth Diatraea saccharalis (Lepidoptera, Crambidae). Radiat. Res. 31(3):612. [Biores. Index. 4:8106.]

1130. Walker, D. W. and V. Quintana. 1968. Inherited partial sterility among survivors from irradiation-eradication experiment. J. Econ. Entomol. 61(1):318-9. [Rev. Appl. Entomol. 56:1577.]

1131. Walker, D. W. and V. Quintana-Muniz. 1968. Mortality staging of dominant lethals induced in the F_1 generation of the sugarcane borer; Diatraea saccharalis (F.). Radiat. Res. 36(1):138-43. [Biol. Abstr. 50:34009.]

1132. Walker, D. W., V. Quintana-Muñoz and F. Padovani. 1971. Effect of gamma irradiation on immature sugarcane borers. Sterility principle for insect control or eradication. Proc. symposium sterility principle insect control eradication jointly organized IAEA FAO held Athens, 14-8 Sept. 1970. pp. 513-24. [Rev. Appl. Entomol. 60:457.]

1133. Walker, D. W., V. Quintana and J. Torres. 1971. Genetic collapse of insect populations. 1. Extinction of inbred and outbred lines in laboratory populations of the sugarcane borer. J. Econ. Entomol. 64(3):660-7.

1134. Walker, D. W., A. Alemañy, V. Quintana, F. Padovani and K. S. Hagen. 1966. Improved xenic diets for rearing the sugarcane borer in Puerto Rico. J. Econ. Entomol. 59(1):1-4.

1135. Walters, E. A. 1927. Control of insect pests. Rep. Agric. Dep. St. Lucia 1926. pp. 9-10. [Rev. Appl. Entomol. 16:282.]

1136. Walters, E. A. 1934. Control of insect pests. Rep. agric. Dep. St. Lucia 1933. pp. 15-8. [Rev. Appl. Entomol. 23:59-60.]

1137. Warren, G. T. 1945. Observations on the sugar cane moth borer (Diatraea saccharalis) in Antigua and the control of same by parasites. British West Indies Sugar Assoc. Proc. Mtg. Sugar Technol. pp. 72-80. [Bibl. Agric. 10: 10380.]

1138. Watson, J. R. 1928. Report of the entomologist. Rep. Fla. Agric. Exp. Stn. 1926-27. pp. 43R-9R. [Rev. Appl. Entomol. 17:84-5.]

1139. Watson, J. R. 1929. Entomology. Rep. Fla. Agric. Exp. Stn. 1927-28. pp. 42R-49R. [Rev. Appl. Entomol. 18:246-7.]

1140. Watts, F. 1916. Work connected with insect and fungus pests, and their control. Rep. Agric. Dep. St. Lucia 1915-16, Barbados. pp. 7-9. [Rev. Appl. Entomol. 5:392.]

1141. Webster, O. J. and D. W. Walker. 1977. A field test of corn cultivars for insect and disease resistance. J. Agric. Univ. Puerto Rico. 61(3):319-25. [Rev. Appl. Entomol. 66:3936.]

1142. Weismann, L. 1967. Experiments with Lixophaga diatraeae Towns. Poeyana Inst. Biol. Ser. A. 42. pp. 1-10. [Biol. Abstr. 49: 80851.]

1143. Whervin, L. W. van. 1963. The biological control of the moth borer Diatraea saccharalis (F.) with special reference to Lixophaga diatraeae Tns. A preliminary report. Bull. Minist. Agric., Barbados 35. 22 pp. [Rev. Appl. Entomol. 53: 362-3.]

1144. Whervin, L. W. van and W. H. A. Wilde. 1969. An analysis of the possibilities of the sterile male release technique in the eradication of the sugarcane moth borer, Diatraea saccharalis (F.) in Barbados, West Indies. Proc. Entomol. Soc. Ontario. 100:111-3. [Rev. Appl. Entomol. 61:2081.]

1145. White, E. A. 1980. The effects of stubbling and weed control in sugarcane on the predation of the sugarcane borer, Diatraea saccharalis (F.). Thesis. La. State Univ., Baton Rouge. 215 pp.

1146. White, E. and T. E. Reagan (Dep. Entomol., La. State Univ., Baton Rouge, La. 70803) 1979. Sugarcane cultural practices as affecting the imported fire ant and other sugarcane borer predators. ESA Annual Meeting 794 2231 Denver, Colo. 25-9 Nov. 1979. Recordings of sessions available, for information: ESA, 4603 Calvert Rd., College Park, Md. 20740. [Conference Papers Index.]

1147. White, M. R., R. L. Amborski, A. M. Hammond, Jr. and G. F. Amborski. 1972. Organ culture of the terminal abdominal segment of an adult female Lepidopteron. In Vitro. 8(1):30-6.

1148. White, M. R., R. L. Amborski, A. M. Hammond, Jr. and G. F. Amborski. 1973. Ultrastructural changes associated with pheromone production in the sex pheromone gland of Diatraea saccharalis. J. Insect Physiol. 19:1933-40.

1149. Wille, J. 1932. The sugarcane borer, Diatraea saccharalis Fabr., a hitherto unknown pest of wheat in the coastal districts of Peru. Anz. Schädlingsk. 8(3): 25-9. [Rev. Appl. Entomol. 20: 315-6.]

1150. Wille, J. 1933. An entomological study of the epidemic of malaria in the Convención and Lares Valleys in the Department of Cuzco. Bol. Direcc. Agric. Ganad. Peru. 3(11-2):303-22. [Rev. Appl. Entomol. 22:699.]

1151. Wille, J. 1934. The sugarcane pest, A. saccharidis. Its mass-increase and that of other pests in Peru in 1930-31. (Contributions to the pest fauna of Peru. VIII.) Tropenpflanzer. 37(5-6): 185-98, 233-52. [Rev. Appl. Entomol. 22:474-5.]

1152. Wille, J. 1935. A journey to Huánuco and Chanchamayo. Icerya purchasi, the white scale of Citrus and its control by Rodolia cardinalis. Inf. Direcc. Agric. Ganad. Peru 32. 23 pp. [Rev. Appl. Entomol. 24:330.]

1153. Wille, J. 1936. Report on the journey of observation to the valleys of Nepeña, Casma, Culebras and Huarmey. Report on the journey of inspection to the valley of Moquegua. Inf. Direcc. Agric. Ganad. Minist. Fom. Peru 37. 20 pp. [Rev. Appl. Entomol. 25:113.]

1154. Wille, J. E. 1942. The condition of cultivated plants in the districts of Canchaque and Chulucanas. Bol. Direcc. Agric. Ganad. Peru. 14(36-43):158-64. [Rev. Appl. Entomol. 31:120.]

1155. Wille, J. E. 1951. About the introduction of a new enemy of the sugarcane borer. Vida Agric. [Lima]. 28:775-6. [Bibl. Agric. 16:43861.]

1156. Williams, C. H. B. 1926. The damage caused by the sugar cane moth borer in Guadeloupe. Stn. agron. Guadeloupe Tech. Bull. 4. 28 pp. [Rev. Appl. Entomol. 14:576.]

1157. Williams, B. R. Jr. 1978. Relationship of some agronomic characters of sugarcane varieties to crop injury by the sugarcane borer Diatraea saccharalis (F.). Thesis. La. State Univ., Baton Rouge. 87 pp.

1158. Williams, J. R., J. R. Metcalfe, R. W. Mungomery and R. Mathes (Eds.). 1969. Pests of Sugar Cane. Elsevier Publ. Co., New York, NY. 568 pp. [Rev. Appl. Entomol. 57:1208-30.]

1159. Wilson, C. E. 1921. Report of the entomologist. Rep. Virgin Islands Agric. Exp. Stn. 1920. pp. 20-35. [Rev. Appl. Entomol. 9: 429-31.]

1160. Wilson, J. W. 1941. Biological control of Diatraea saccharalis in the Florida Everglades during 1940 and 1941. Fla. Entomol. 24(3):52-7. [Biol. Abstr. 16: 13539.]

1161. Wilson, J. W. 1941. Entomological problems in the Everglades. Fla. Entomol. 24(1):23-6. [Rev. Appl. Entomol. 29:476-7.]

1162. Wilson, J. W. 1942. Correlation of sugar yields with the percent of joints bored by Diatreae saccharalis (F.). Sugarcane borer studies--I. Fla. Entomol. 25(2): 19-24. [Rev. Appl. Entomol. 31: 88-9.]

1163. Wolcott, G. N. 1913. Report on a trip to Demerara, Trinidad and Barbados during the Winter of 1913. J. Econ. Entomol. 6(6):443-57. [Rev. Appl. Entomol. 2:30-2.]

1164. Wolcott, G. N. 1915. The influence of rainfall and the non-burning of trash on the abundance of Diatraea saccharalis. (Abstract). J. Econ. Entomol. 8(5):496-8. [Rev. Appl. Entomol. 3:760-1.]

1165. Wolcott, G. N. 1916. Report of the entomologist. Fifth Rep. Bd. Comm. Agric. Porto Rico, for Per. from 1 July 1915 to 30 June 1916, Rio Piedras. pp. 75-99. [Rev. Appl. Entomol. 5:311-3.]

1166. Wolcott, G. N. 1917. Influence of rainfall on abundance of moth. (Lep.). Entomol. News., Philadelphia. 28(4):161. [Rev. Appl. Entomol. 5:259.]

1167. Wolcott, G. N. 1918. An emergence response of Trichogramma minutum, Riley, to light. J. Econ. Entomol. 11(2):205-9. [Rev. Appl. Entomol. 6:306.]

1168. Wolcott, G. N. 1921. The minor sugar-cane insects of Porto Rico. J. Dep. Agric. Porto Rico, San Juan. 5(2): 46 pp. [Rev. Appl. Entomol. 10:96-8.]

1169. Wolcott, G. N. 1922. Annual report of the division of entomology for the finanacial year 1921-1922. Informe Ann. Estación Exp. Insular Rio Piedras, Puerto Rico, 1921-22. pp. 55-60. [Rev. Appl. Entomol. 11:229-30.]

1170. Wolcott, G. N. 1922. The influence of the variety of sugar-cane on its infestation by Diatraea saccharalis, and the other factors affecting the abundance of the moth borer. J. Dep. Agric. Porto Rico. 6(1):21-31. [Rev. Appl. Entomol. 11:61-2.]

1171. Wolcott, G. N. 1922. The status of entomology in Porto Rico. J. Dep. Agric. Lab. Porto Rico. 6(2): 11 pp. [Rev. Appl. Entomol. 12:29-30.]

1172. Wolcott, G. N. 1926. Insect Pests in Haiti. Int. Rev. Sci. & Pract. Agric. 4(1):187-9. [Rev. Appl. Entomol. 14:337.]

1173. Wolcott, G. N. 1928. Extracts from the monthly reports of the section of entomology. (September-October, 1928): Insect pests in the Valley of Chanchamayo and near-by regions; How the cotton stainer is propagated in Piura; Studies on the borers of sugar-cane in Chiclayo and Trujillo. Estac. Exp. Agric., Lima, Peru, Informe 8. pp. 1-15. [Biol. Abstr. 4:12514.]

1174. Wolcott, G. N. 1929. The parasol ant, Atta sp., in Chanchamayo. Notes on Dysdercus ruficollis in North Peru. La Vida agric. 6(61): 11-5. [Rev. Appl. Entomol. 17: 319.]

1175. Wolcott, G. N. 1929. The status of economic entomology in Peru. Bull. Entomol. Res. [London]. 20(2):225-31. [Biol. Abstr. 7: 3973.]

1176. Wolcott, G. N. 1929. Weather and the non-burning of trash in borer control in Porto Rico. Trans. 4th Internat. Cong. Entomol., Ithaca, 1928. 2:62-4. [Biol. Abstr. 5:14968.]

1177. Wolcott, G. N. 1932. The influence of extreme climatic conditions in Peru on moth-borer abundance. Proc. I.S.S.C.T. 4: Bull. 87. 3 pp.

1178. Wolcott, G. N. 1932. On methods of determining borer abundance in cane fields. Proc. I.S.S.C.T. 4: Bull. 88, 2 pp.

1179. Wolcott, G. N. 1933. The changed status of some insect pests in Puerto Rico. J. Dep. Agric. Puerto Rico. 17(3):265-70. [Biol. Abstr. 9:7611.]

1180. Wolcott, G. N. 1939. Prophanurus alecto Crawford in Porto Rico. J. Econ. Entomol. 32(1):152-3. [Rev. Appl. Entomol. 27:424.]

1181. Wolcott, G. N. 1943. Criteria for Trichogramma. Trop. Agric. 20(11):221-2. [Rev. Appl. Entomol. 32:189.]

1182. Wolcott, G. N. and L. F. Martorell. 1937. The ant, Monomorium carbonarium ebeninum Forel, in a new role: as predator on the egg-clusters of Diatraea saccharalis F. in Puerto Rican cane fields. J. Agric. Univ. Puerto Rico. 21 (4):577-9. [Rev. Appl. Entomol. 26:288-9.]

1183. Wolcott, G. N. and L. F. Martorell. 1943. Control of the sugarcane borer in Puerto Rico by laboratory-reared parasites. J. Econ. Entomol. 36(3):460-4. [Rev. Appl. Entomol. 32:53.]

1184. Wolcott, G. N. and L. F. Martorell. 1943. Natural parasitism by Trichogramma minutum of the eggs of the sugar-cane moth borer, Diatraea saccharalis, in the cane fields of Puerto Rico. J. Agric. Univ. Puerto Rico. 27(2):39-83. [Biol. Abstr. 19:3831.]

1185. Wolcott, G. N. and L. F. Martorell. 1943. The possibilities of controlling the sugar cane borer, Diatraea saccharalis F., in Porto Rico by breeding the parasite, Trichogramma minutum Riley, in the laboratory and releasing it in cane fields. Bol. Estac. exper. agric. Porto Rico 64. 16 pp. [Rev. Appl. Entomol. 34:320.]

1186. Wongsiri, T. 1963. Biological and toxicological studies on the sugarcane borer, Diatraea saccharalis (Fabricius). Dissertation. Texas A & M Univ., College Station. 131 pp. [Diss. Abstr. 24(5): 2197.]

1187. Wongsiri, T. and N. M. Randolph. 1962. A comparison of the biology of the sugarcane borer on artificial and natural diets. J. Econ. Entomol. 55:472-3.

1188. Worsham, E. L. 1915. Annual report of the state entomologist for 1914. Ga. State Bd. Entomol., Atlanta, Bull. 42. pp. 10-20. [Rev. Appl. Entomol. 5:385.]

1189. Wouters, L. J. A. 1963. The control of pests and diseases at the Wageningen rice-project in Surinam. Bull. LandbProefstn Surinam 82. pp. 369-407. [Rev. Appl. Entomol. 57:2622.]

1190. Yadav, R. P. 1964. Insecticide resistance in the sugarcane borer, Diatraea saccharalis (F.). Dissertation. La. State Univ., Baton Rouge. 130 pp. [Diss. Abstr. 25(8):4880.]

1191. Yadav, R. P., H. L. Anderson and W. H. Long. 1965. Sugarcane borer resistance to insecticides. J. Econ. Entomol. 58(6):1122-4.

1192. Yin, C. M. and G. M. Chippendale. 1977. Organization of the retrocerebral gland system in Lepidopterous larvae of the family Pyralidae. J. Insect Physiol. 23(6):755-9. [Rev. Appl. Entomol. 66:52.]

1193. Yoder, P. A. and J. W. Ingram. 1923. Hot-water treatment of sugar cane for insect pests.--a precaution. U.S. Dep. Agric. Dep. Circ. 303. 4 pp.

AUTHOR INDEX

A

Abarca, M., 1
Ables, J. R., 2
Aburto, V. H., 3
Agarwal, R. A., 4-6
Agarwal, S. B. D., 7
Agriculture Research, 91
Aguilar, J. d', 8
Ainslie, G. G., 9-10
Al-Badry, M. S., 13-4
Alam, M. M., 11-2
d'Albuquerque, J. P., 162
Aldrich, J. M., 15-8
Alemañy, A. V., 1126, 1134
Alfonso, F., 19
Allder, C. T., 20-1
Alvares, R. C., 101
Alvarez, J., 23
Álvarez, L., 22, 632
Amaral, S. F. do, 24
Amargier, A., 782
Amargos, J. L., 25-6
Amborski, G. F., 1147-8
Amborski, R. L., 1147-8
Anderson, H. L., 27, 1191
Angeles, N. J., 28-9, 842-4, 913
Annand, P. N., 30-4
Antigua Agric. Dep., 43, 45, 49
Antigua Bot. Stn. Exp. Plots, 36
App, B. A., 94
Araujo, F. E., 95
Arbuthnot, K. D., 96-7
Arceneaux, G., 409
Arellano, M., 1012-5
Argentina Minist. Agric., 53
Arruda, H. V., 24, 429-31
Artega M., J., 966
Arthur, V., 997
Association S. Agric. Workers, 76
Averna-Saccá, R., 98
Ayala Osuna, A., 678
Ayguipa, G., 935
Azzi, G. M., 99

B

Babayan, G. A., 100-1
Ballou, H. A., 102-5
Balzer, A. I., 253
Bandyopadhyay, K. S., 655
Bangdiwala, I. S., 106-7
Banzatto, D. A., 677
Barbados Agric. News, 35, 37, 39, 41
Barbados Dep. Agric., 56
Barbados Dep. Sci. Agric., 74, 77, 83-4
Barber, T. C., 108
Barbosa Filho, G. C., 678
Barnes, T. R., 415
Barreto, B. T., 109
Barreto Dominguez, R., 110, 1106
Barry, F. V., 988
Bartlett, K. A., 111-5
Bates, J. F., 116-7
Baum, R. J., 741
Beauchamp, C. E., 118-9
Beg, M. N., 120
Beland, G. L., 121
Belcher, B. A., 234
Bell, J. V., 657
Benjamin, F. H., 122
Bennett, F. D., 12, 120, 123-30, 718, 893
Bercini, R., 1066
Bergamin, J., 131-2
Bertels, A., 133-4
Berti Filho, E., 450-2, 793-4
Bess, H. A., 135
Bishopp, F. C., 136
Blanchard, M. A., 396
Boas, A. M. V., 851-2
Bocanegra, S., 137
Bodkin, G. E., 138-49
Bogotá Revista Agricola, 38
Bonfils, J., 8, 150
Bonner, F., 341
Bonnot, G., 469
Bordage, E., 151
Botelho, P. S. M., 152-7 676, 712-3, 769-72
Bourne, B. A., 158-60
Bovell, J. R., 161-2
Bowden, J., 163
Bowling, C. C., 164-5
Box, H. E., 166-233
Bradley, W. G., 647
Braga, E. R., 331
Brandao C., J. M., 934
Brandes, E. W., 234
Brau de Zuzuarregui, M., 235
Breaux, R. D., 626
Bregger, T., 236, 749
Brèthes, J., 237-41
Brewer, F. D., 242-7, 454, 658
Brieger, F. O., 248
British Guiana Dir. Agric., 61
Brooks, J. C., 249
Bryans, T. G., 250
Buffon, A., 251
Bull, D. L., 2
Burgos, J. A., 735
Burleigh, C. H., 732
Burns, E. C., 832
Burrell, R. W., 252
Burton, R. L., 1027
Busoli, A. C., 678
Buxo, D. A., 415
Bynum, E. K., 253-8, 394, 573, 597-8, 605-8, 611-8, 620, 641-2, 749, 799

C

Cabrejos, C., 775

Callan, E. McC., 259
Camacho, L. H., 813
Caminha Filho, A., 260
Campos R., F., 261
Cancienne, E. A., 262-3, 701
Cano, I. B., 965
Cantelo, W. W., 1027
Carbonell, C. S., 264
Carbonell Bruhn, J., 1003-4
Cardosa Montenegro, R., 854
Carl, K. P., 12
Carvalho, J. H. de, 265-6
Castilho, H. J., 451
Cavalcante, M. L. S., 95
Cavalcante, R. D., 95
Cevallos, A., 267, 752
Chan, C. B., 268
Charpentier, L. J., 256-7, 269-84, 395, 474, 504-5, 605-7, 611-6, 620, 709, 739, 741-4, 746-8, 751, 755, 757, 963
Chaudhry, J. P., 6
Chen, C. B., 285-8
Chinloy, T., 289
Chippendale, G. M., 1192
Chong, O., 953
Cleare, L. D., 290-308
Clower, D. F., 423
Coburn, G. E., 309-11, 909
Cochran, B. J., 312
Cockerell, T. D. A., 313
Cockerham, K. L., 378
Collette, G., 997
Colmer, A. R., 828
Comins, H. N., 1029
Concienne, E. J., 282, 284, 379-82, 386-93, 395, 474, 497, 504-5, 507-10, 690, 692-5, 697-8, 701-9, 748, 751, 755, 820
Cornejo S., R., 314
Coro, F., 315
Cortés Iturbe, A., 1
Costa, J. M. B., 774, 936
da Costa Lima, A., 317
Costa Spirgatis, J. A., 316, 318
Cotes, E. C., 319
Crawley, J. T., 321
Crawley, W. C., 320
Croal, K., 901
Crowley, Louisiana Rice Exp. Stn., 65
Cueto Robayna, C. B., 322-8
Curran, C. H., 329

D

Dantas, B., 330-1
Dash, J. S., 332-8
Davis, E. G., 339
Davis, L. A., 340-1, 498
Dekle, G. W., 342-3
Delattre, P., 344
Delgado de Garay, A., 345
Delobel, B., 469
Dias de Souza, H., 346
Diaz Azpiazu, M., 1062-3
van Dine, D. L., 347-52
van Dinther, J., 353-5
Dohanian, S. M., 356-8
Dominguez Llerena, G., 359
Dopson, R. N., 701
Douglas, W. A., 360
Dugas, A. L., 361-95, 425, 474, 533-6, 599-602, 748, 750
Duhra, M. S., 957
Dunckelman, P. H., 236, 396, 624-6
Dupnik, T., 437
Duport, L., 397
Dutch Guiana Agric. Exp. Stn., 60
Dyar, H. G., 398-9

E

Edwards, W. H., 400-7
Elias, L. A., 408
Ellis, T. O., 409
Ellisor, L. O., 410-1, 603-4
Etienne, J., 412
Everett, T., 413

F

Falcon C., N., 795
Fanguy, H. P., 503
Fernández Aguirre, E., 414
Fernandez Artiles, R., 991-3
Fernández Pérez, J., 989, 991-3
Ferreira, C. E., 936
Fewkes, D. W., 415
Figueroa, M., 1127
Fisk, F. W., 416
Flanders, S. E., 417
Flechtmann, C. H. W., 418-9, 1071
Flesh, D., 1106
Flores Caceres, S., 1, 420-1, 948
Floyd, E. H., 422-3
Flynn, J. P., 908
Food and Agriculture Organization, Plant Prot. Bull., 87, 90
Forbes, I. L., 425
Forbes, W. T. M., 424
Fort, C. A., 758
Franco, E., 426-8
Franco do Amaral, S., 429-31
Fretay, E., 432
Fuchs, T. W., 433-40, 912
Fuentes Azcuy, A., 100-1
Fuentes Jiménez, R., 441

G

Galichet, P. F., 150, 442-5, 783
Gallo, D., 446-52, 677, 793-4, 1108
Gallun, R. L., 453
Gantt, C. W., 247, 454-5, 482
Garcia Becerra, J. E., 950
Garciá Montalvo, C., 994
Gaudin, G. R., 506, 964
Gemignani, E. V., 456
Giamalva, M. J., 503
Gifford, J. R., 277, 281, 457-8, 829-31
Gomes, F. P., 1108
Gómez Alvarez, F., 459
Gossens, P. A., 355
Gowdey, C. C., 460-5
Graca, L. R., 466
Granados Reynaud, G., 994
le Grand, F., 236
Grassl, C. O.. 749
Graves, J. B., 764, 910-1
Greaves, C., 467
Green, F. S., 468
Greene, G. L., 343
Grenada Agric. Dep., 40, 42, 46, 50
Grenier, S., 469
Guagliumi, P., 232, 470
Guareschi, M., 946
Guerra, M. de S., 471
Guimaraes, J. H., 472
Guthrie, W. D., 453
Guyton, T. L., 473

H

Hagen, K. S., 1134
Haley, W. E., 254, 256-8, 395, 474, 564-8, 573-5, 611-6, 620, 743, 745, 748, 799
Hammond, A. M. Jr., 475-9, 499, 1147-8
Harding, J. A., 435-9
Harland, S. C., 480-1
Hartley, G. G., 482, 661
Hayslip, N. C., 619, 749
Hayward, K. J., 483-9
von Hedemann, W., 490
Heinrich, C., 399, 575
Henderson, M. T., 1114
Hensley, S. D., 14, 311, 341, 476-8, 491-510, 663, 674, 691, 697-8, 702-9, 723-4, 751, 760-4, 816-20, 828, 840, 848, 858-9, 886, 909-12, 964, 1027
Herrera A., J., 511
Hinds, W. E., 512-36
Hines, C. W., 537
Hoffman, H., 538
Holloway, T. E., 255, 539-76, 609, 617-8
Hopkins, S. H., 1102
Hostounsky, Z., 577
Howard, L. O., 578-84
Howell, W., 998-9
Hrdý, I., 585-8
Hudson, J. C., 11
Huffman, F. R., 439-40, 912
Hummelen, P. J., 589
Hung, T. H., 287-8
Hutson, J. C., 590
Hynes, H. B. N., 591

I

Iman A., E., 511
Incio Paredes, C., 592
Ingram, J. W., 258, 360, 383-4, 394, 410, 574, 593-620, 644, 740, 744-5, 750, 990, 1193
Insect Pest Surv. Bull., 75, 79
International Commission on Zoological Nomenclature, 621
International Society Sugarcane Technologists, 57
Isa, A. L. A. A., 622

J

Jackson, R. D., 278, 281, 623-6, 661, 725, 1050
James, H. C., 627
Jarvis, E., 628
Jasič, J., 587-8, 629-32
Jaynes, H. A., 411, 610, 633-42
Jepson, W. F., 643
Jeter, B. E. Jr., 902
Jodon, N. E., 644
Johnston, J. R., 645
Jones, S. L., 2
Jones, T. H., 646-7
Joyner, H. L., 648
Ju, L. C., 268
Junqueira, G. M., 649

K

Katiyar, K. P., 650-1, 692
Kevan, D. K. McE., 652-3
Khan, M. A., 679
Khan, M. Q., 654
Khanna, K. L., 655
Kidder, G., 23
King, E. G., 121, 245, 455, 482, 656-61, 722, 764, 783, 941, 1050
Kinzer, R. E., 2
Kirst, L. D., 662-3
Knipling, E. F., 664-6
Kopp, A., 667-9
Korytkowski, C. A., 949
Kostritxky, L., 670
Krishnaswamy, S., 903
Kunhi Kannan, K., 671
Kuno, G., 672
Kyle, M. L. Jr., 673-4

L

La Molina Agric. Exp. Stn., 71, 78
Lamas C., J. M., 675
Landers, C., 386
Lara, F. M., 676-8
Latif, A., 679
Latson, L. N., 680
Laude, H. H., 682
Laviolette, P., 469
Leiderman, L., 681
Leidigh, A. H., 682
Lemaire, Y., 683
Leonard, M. D., 684-5
de Lima, R. O. R., 851-2
Litvin, G., 686
Llanos, V. V., 687
Lobdell, R. N., 610
Loftin, U. C., 569-70, 575, 688
Long, W. H., 282, 284, 500, 507-10, 651, 689-709, 751, 755, 841, 860, 1191
Lowe, J. A., 726

M

Macedo, N., 153-7, 710-3, 769-72
Madariaga, A., 714
Magro, J. A., 1117
Mahadeo, C. R., 715-6
Mann, G. A., 458
Manser, P. D., 717-8
Marcovitch, S., 719
Marlatt, C. L., 720
Martin, D. F., 246-7, 454-5, 482, 657-61, 721-2, 725, 1050
Martin, F. A., 312, 723-4
Martinez, A., 948
Martins, J. F. da S., 726-8
Martorell, L. F., 106-7, 501, 729-35, 1182-5
Maskew, F., 736-7
Mason, L. F., 423
Mathes, R., 275-7, 279-80, 282-4, 395, 571, 608, 617-20, 706, 709, 738-51, 757, 963, 1158
Mathieu, J. M., 267, 752
Mathur, B. L., 753
Mattioli, A., 1066
May, D. W., 754
McCormick, W. J., 252, 278-80, 283-4, 474, 502, 504-5, 507-10, 626, 697-8, 702-5, 707-9, 742, 746, 755
McDonald, R. E., 756
McGuire, J. U. Jr., 747, 757
McKaig, N. Jr., 758
McNess, G. T., 682
McPherson, R. M., 759-64
Meadows, C. M., 765
Medina, H., 766, 890
Medina-Gaud, S., 107, 733-4
Mejia-Baiggi, F., 735
Melo, M. S., 95
Mena, J. A., 767
Mendes, A. de C., 153-7, 712-3, 768-72
Mendonca F., A. F., 773-4, 936
Mendoza S., J., 775
Menor Y Ortega, J. G., 776
Metcalfe, J. R., 777-80, 1158
Meyer, A. C., 781
Meynadier, G., 782
Miles, L. R., 659-60, 783
Miranda, C. A., 784
Miret, A. C., 107
Miskimen, G. W., 785-9
Monte, O., 790-1
Montes, M., 792, 890
de Moraes, G. J., 451, 793-4
de Moraes, R. S., 1002
Morales, E. N., 795, 935
Moreira, C., 796
Morgan, H. A., 797-8
Morris, J. W., 799
Morrison, R. K., 2
Moyano, A., 800
Muesebeck, C. F. W., 801
Mullins, A. M., 696
Mungomery, R. W., 1158
Munro, J. A., 802-3
Murthy, D. V., 654
Myers, J. G., 804-10

N

Nagarkatti, S., 811
Nair, K. R., 811
Nakano, O., 154, 713
Naranjo-Hincapie, N., 812-3
Negm, A. A. G., 814-20
Nelli, E. J., 1059
Newsom, L. D., 693-6, 701-7, 751, 821-2
Neyra, M., 953
Nickel, J. L., 823
Niilo, V., 824
Novák, K., 585-8, 825-6
Novaretti, W. R. T., 1057-9
Nunez, P., 827
Nunez, W. J., 828

O

de Oliveira, E. R., 1108-9
Oliver, A. D., 832
Oliver, B. F., 479, 829-31
Ortega Corona, A., 845, 1064-5
Osman, N. B., 833
Osterberger, B. A., 517-23, 533-6, 834-5
Overman, J. L., 836

P

Padovani, F., 1132, 1134

Painter, R. H., 837
Pan, Y.-S., 838-41
Paredes, P. P., 28-9, 842-4
Parisi C., R. A., 845
Parker, H. L., 846
Patrick, J. C., 847-8
Peairs, F. B., 849-50
Pedersen, K. B., 1128
Percein, D., 678
Pereira, C. E. F., 851-2
Pérez Álvarez, Z., 853
Pérez González, P., 854
Perez Perez, R., 416, 855-60
Pergolani de Costa, M. J., 861
Pickel, B., 862
Pickles, A., 863-4
Piedra, A. A., 865-6
Piedra Corvison, A., 867
Pierce, W. D., 868
Pinheiro, B. da S., 726
Pinto da Fonseca, J., 869
Plank, H. K., 115, 870-83
Pollack V., M., 884-5
Pollet, D. K., 886
Pontis Videla, R. E., 233
Porres, G., 1111
Potes, A. F., 887
Prasad, R. N., 7
Prasad, S. K., 7
Programa Nacional de Melhoramento da Cana-da-Açúcar, Brasil., 888
Pruna, P. M., 889-90
Pschorn-Walcher, H., 128, 891-3
Puerto Rico Exp. Stn., 68-9, 72, 81
Puerto Rico Federal Exp. Stn., 86
Puerto Rico Univ. Agric. Exp. Stn., 66, 73, 80, 82

Q

Quelch, J. J., 894
Questel, D. D., 236, 750, 895
Quintana-Muñiz, V., 896-9, 1129-34

R

Rabson, R., 900
Rai, B. K., 901
Ramp, R. M., 799
Randolph, N. M., 902, 1052-4, 1187
Rands, R. D., 572
Rao, S. V. R., 680
Rao, V. P., 903
Ratkovich, M. E., 904-5
Reagan, T. E., 506, 832, 886, 906-12, 964, 1146
Reeves, B. G., 2
Requena, J. R., 913
Reyna R., R., 845
Richard, C. A., 723-4
Ridgway, R. L., 2
Rio Piedras Insular Exp. Stn., 51, 59
Risco Briceno, S. H., 774, 914-36
Ritchie, A. H., 937
Roccia, A. O., 727-8
Roddy, L. R., 510
Rodriguez, C. L., 1120
Rogers, J. S., 97
Röhrig, P. E., 409
Rolston, L. H., 938
Roney, J. N., 939
Rosales Labrada, A., 854
Rosenfeld, A. H., 940
Rossetto, C. J., 727-8
Roth, J. P., 941
Ruffinelli, A., 942-6
Ruinard, J., 947
Ruiz, A. R., 250
Ruiz, M. A., 948
Ruiz Medina, G. A., 949
Ruiz Valhor, L. D., 950
Russo, G., 951
Růžička, Z., 587-8, 952
Ryder, W. D., 953

S

Saint Kitts-Nevis Agric. Dep., 55, 62-3
Saint Lucia Dep. Agric., 70
Saint Vincent Dep. Agric., 44, 47, 52, 67
Saint Vincent Govt. Gaz., 64
Salinas, J. G., 954
Salt, G., 955
Sánchez Navarrete, F., 956
Sanders, C., 387-9
Sandhu, J. S., 957
Sanford, J. W., 283, 506, 958-64
Saplala, V. L., 965
Sarmiento M., J., 966-7
Saunders, J. L., 850
Saxena, A. P., 968
Scaramuzza, L. C., 969-93, 1035
Séin, F. Jr., 685
Senigagliesi, C., 1066
Senmache Santa Cruz, J. M., 994
Sgrillo, R. B., 699, 700, 995-7
Shell Agric. Serv., 89
Shepherd, F. R., 998-9
Sherman, F., 1000
Sherwood, S. F., 234
Shubin, V. F., 1001
da Silva, A. P., 331
Silva, G. M. de A., 1002
da Silva, M. F., 1030
Silveira Neto, S., 155-7, 676-7, 772
Silviera-Guido, A., 1003-4
Simmonds, F. J., 129, 1005-11
Simon F., J. E., 137, 1012-5
Sivasubramanian, M., 1016
Skeete, C. C., 1017-21

Smith, C. E., 385, 390-4
Smith, J. W. Jr., 438, 440, 661, 1023
Smith, L., 1022
Smyth, E. G., 1024-26
Snow, J. W., 1927
Sobral, S. de M., 936
Solomon, M. E., 1928
Sosa Moss, C., 994, 1064-5
Southwood, T. R. E., 1029
de Souza, H. D., 936, 1030
Spencer, H., 524-32
Spink, W. T., 755
Squire, F. A., 130, 1031-4
Stafford, T. J., 708
Stahl, C. F., 1035
Starks, K. J., 453
Starr, D. F., 1036-7
Stehlé, H., 1038-9
Strong, L. A., 1040-4
Stuart, G. M., 1045
Stubbs, W. C., 1046
Sturdy, D., 1047
Sugar Bull., 85
Summers, T. E., 281, 343, 661, 722, 725, 1048-50
Szumkowski, W., 29

T

Taylor, D. J., 1051
Teetes, G. L., 902, 1052-4
Terán, F. O., 1055-9
Terra, J. G., 1060
Thames, W. H. Jr., 750, 1102
Thompson, A. C., 941
Todd, E. H., 236
Tornisielo, W. L., 996
de la Torre y Callejas, S. L., 1061-3
Torres, C., 1066
Torres, J., 1133
Torres Gau, C., 1064-5
Tower, W. V., 1067
Townsend, C. H. T., 1068-70
Trahan, G. B., 680, 830-1
Treat, A. E., 1071
Tseng, H. T., 1072
Tucker, R. W. E., 1073-1101
Tucumán Estación Experimental Agricola, 93
Turco, C. P., 1102

U

Union South Africa Dep. Agric., 48
Urich, F. W., 1104
U. S. Bureau of Entomology and Plant Quarantine and Louisiana Agricultural Experiment Station, 1103
U.S. Department of Agriculture, 88
U.S. Department of Agriculture Bur. Agric. Econ., 54
U. S. Department of Agriculture Insect Pest Surv., 58

V

Valdes Barry, F., 1106
Vallo, V., 587-8
Valsechi, O., 1107-9
Van Zwaluwenburg, R. H., 1110
Varbin, D., 1109
Veyrunes, J. C., 782
Viamonte Morales, C., 1111
Viator, D. P., 1112, 1114
Viator, S. J., 1113
des Vignes, W. G., 1115-6
Villacorta, A., 1117
Villacorta, W., 967
Villas-Boas, H. D. C., 686
Virkki, N., 1118-20
Vizioli, J., 1121

W

Wadley, F. M., 1122
Walder, J. M. M., 699-700, 995
Walder, J. O., 1123
Walker, D. W., 897-9, 1120, 1124-1134, 1141
Walters, E. A., 1135-6
Warren, G. T., 1137
Watson, J. R., 1138-9
Watts, F., 1140
Webster, O. J., 1141
Weismann, L., 587-8, 1142
van Whervin, L. W., 780, 1143-4
White, E. A., 1145-6
White, M. R., 1147-8
Wiendl, F. M., 452, 699, 700, 995-7
Wilde, W. H. A., 1144
Wille, J., 1149-55
Williams, B. R. Jr., 1157
Williams, C. H. B., 1156
Williams, J. R., 1158
Williams, R. N., 452
Wilson, C. E., 1159
Wilson, J. W., 609, 619, 1160-2
Wolcott, G. N., 1163-85
Wongsiri, T., 1186-7
World Farming, 92
Worsham, E. L., 1188
Wouters, L. J. A., 1189

Y

Yadav, R. P., 1190-1
Yin, C. M., 1192
Yoder, P. A., 1193

Z

Zelený, J., 585-8

	Before 1910	1910-1919	1920-1929
General Biology	313,490,578, 797-8,1046	9,140,570,646	122,237,292,424,549,551,575,593
Taxonomy, Morphology, Distribution	151,1046	39,102,398,541,545,570, 937,1165	122,181,237-8,255,336,399,549, 575,668,1018,1173
Physiology, Diapause, Behavior, Reproduction		546,570,1163	526,575,1024
Rearing		570	575
Ecology	151,798,1046	9,37,105,541,570,1164-6	54-5,57,109,168,181,184,291,349, 526,549-51,566,575,647,667-9, 955,1170,1176
Plant Resistance, Varieties	1046	35	51,57,168,176-7,184,186,566-7, 593,667-9,940,955,1170,1176
Other Host Plant--Borer Interaction	1046	9,37,108,348,397,473,481, 570,682,1163	46,57,98,109,122,172,181,185, 188,238,291,297,336,526,550-1, 553,568,575,593,647,667-9,872-3, 955,1067,1156,1159,1168-9
Radiobiology, Sterilization			
Chemical Control	1046	544,570	20-1,512-3,524-6,528,549-50,552-4,574-5,583-4,667,719-20,754,878
Cultural Control	798,1046	35,105,140-1,144,397,473, 481,541-3,570,646,682,894, 1000,1104,1163-5,1188	20-1,50,55,57,158-9,168,170,172, 291,297,338,349,460,526,549-54, 556,558,564-6,575,580-4,593,667-9,671,720,754,871-2,878,955,1159, 1170-1,1174,1176,1193
Biological Control			44,109,184,781,877-8
Parasites	797,1046	39,40,138,140-2,144,333, 347-8,480-1,540-2,544, 547,569-70,579,590,628, 646,894,1104,1163-4,1167	15-6,50-1,59,109,147,149,158-61, 166-75,178-83,187-8,240-1,291, 293-4,296,329,349-50,460,462-4, 526-7,529-30,537,548-9,552-5, 557,566,575,580-2,593,667,669, 868,870,875-7,955,1018,1020-1, 1068,1073,1138-9,1159,1170-1
Predators	1046	37,141,145,320,540-1,570, 646	168,235,575,875,955,1024,1159
Pathogens		348,570,645-6,937,1104	168,575,668,870,874,955,1159
Economics, Management	151,319,797, 1046	9,10,35-8,40-1,102-5,139, 141-4,146,162,332,334-5, 347,397,481,541,569-70, 590,628,646,714,796,894, 1140,1163,1165	20-1,42-7,49,50,52-8,109,122,148, 158-9,161,166,168,170,172,184, 237,239,251,290-1,295-7,317,321, 336-8,349,461-2,464-5,526,537, 549,551,556,568,575-6,583,593, 647,669,671,756,878,951,955,998-9,1017,1019,1021-2,1035,1068, 1073,1121,1135,1156,1159,1172-3, 1175
Miscellaneous	1046	539-40,570,736	48,554,575,593,737,1040

1930-1939	1940-1949
260,765,863	132,205,209,352,459,484-8,597,627, 652-3,942-3,956,1051,1099,1137
190,194,199,869,1152,1179	205-6,489,595,627,652,675,956,1099
1032,1081,1092,1094	73,205
	131,1051
191-3,197,199,202,256,300,400,514,516,522-3,685, 805,808,834,863,881,1033,1081,1083-4,1088,1090, 1092,1094,1098,1177-8	73,75,205,360,383,407,591,597,1099
193,197,299,300,401,403-6,411,519,560,685,688, 745,1042,1082,1092,1095-6,1098,1179	77,346,407,425,597,604,644,740,1047
65,191,193,195-8,202-3,234,300,400,519,688,758, 805,809-10,869,880,1076,1149	205,360,407,489,597,627,652-3,675, 1162
67,234,410,520,1042	30-2,85,136,363-4,367,384,391,596-7, 599,600-1,605-7,612-3,1103,1161,1162
60-1,67,191,193,197,234,253,256,516,520,559,610, 685,835,880,971,1031,1085	360,363,407,597,627
357	975-6,992-3
17-8,62-3,66,68-9,111,189,191-3,195-204,234,260-1,300-4,356,358,361,400,417,515,517-8,520,522-3, 531-6,559,561,573,610,633-41,643,790-1,801,804-10,863-4,881,939,969-71,1025-6,1033,1038,1041-2, 1045,1069,1074-81,1083-7,1089-91,1093-8,1149, 1151-3,1180	3,25-6,30-4,70,72-4,77-84,86,112-5, 205,208,259,268,305-8,339,345-6,362-3,414,467,485-6,571,591,597,609,627, 642,652,687,867,942-3,972-4,989-91, 1043-4,1070,1099,1137,1160-1,1181, 1183-5
202,402,1081,1083,1182	597
191,193,195,202,670	597,652
61-2,64-5,191,196-8,202,261,298,300,302,400,402, 519,521,603,610,684,776,790,809-10,862,864,869, 879-80,1031,1033,1041-2,1074,1076,1095-6,1098, 1122,1136,1149-52,1178	32,71,75-6,78,83,94,118,205,254,257, 308,346,351,360,363-6,383,407,425, 456,468,483,485-6,562,594-5,597,602, 617-8,627,652,675,865,867,882-3,944, 956,974-5,1105,1107,1111,1154,1162
64,234,572	207,954

	1950-1959
General Biology	210,214,371,620,729,905,1060
Taxonomy, Morphology, Distribution	87,210-2,215,221,223-4,227-9,420-1, 938,1110
Physiology, Diapause, Behavior, Reproduction	895
Rearing	322-5
Ecology	212,223,229,232,289,470,655,744,918, 988,1008,1110
Plant Resistance, Varieties	97,210,212,330-1,447,608,620,679,681, 729,749-50,887,895,1008,1039,1110
Other Host Plant--Borer Interaction	106,110,210,212,219,221,224,227,229, 371,409,608,620,717,729-31,742,744, 837,887,1060
Radiobiology, Sterilization	
Chemical Control	96,116,137,250,370-2,376,380,382,386, 392-3,598,608,614,620,679,693-5,697, 702-4,707,709,729,732,750,821,887,918, 977,1012,1036-7
Cultural Control	212,370-1,379,381,608,620,729,750, 895
Biological Control	217,264,649,984-5
Parasites	1,7,116,119,210-2,215,219,221-4,230, 232,265,269-75,279,285,287,325-6,359, 370-1,421,446,448,470,563,608,611,619-20,648,729,750,777,837,846,887,914-7, 919-25,978-82,985-6,988,1005-10,1100-1,1110,1155
Predators	262-3,470,619-20,701,729,837,986,988
Pathogens	230,233,620,729,986,988
Economics, Management	87,106,116,210-2,215-6,218,220-1,223-6,230,258,266,284,289,368-9,371,373-5,377-8,385,387-8,394-5,420,474,608, 615-6,620,654-5,689,706,709,729,731, 742-4,748,750-1,755,799,802-3,861,866, 887,904,945,983,1005,1060,1106,1110
Miscellaneous	213,229,389-90,470,692

1960-1969	1970-1980
117,165,248,328,413,422,426-8,449,491,587, 1186	101,589,716,994
4,6,117,342,491,621,1158	135,315,443,691,793,936,1192
11,416,422,475,492,501,629-30,650-1,787, 824-5,847,855-6,860,1118-20,1124,1126-7, 1131,1158,1186	22,152,157,163,433,435,438,476-9,589,658, 662,676-7,691,716,721,771-2,788-9,833,848, 857-9,884,935,997,1030,1116,1147-8,1192
4,165,499,501,586-7,622,631,786,838,841, 1134,1186-7	242-4,246-7,318,355,418-9,452,454,589,623, 657,713,752,766,769,958,994-6,1117,1133
11,422,432,507,588,779,814-5,952,1027,1158	133,135,152-3,156-7,435-6,589,632,662-3, 666,768,793-5,960,1029,1115
4-5,24,117,415,429,500,673,708,738-9,1052, 1158	99,267,309-12,396,408,430-1,435,453,503, 624-6,662-3,674,678,680,691,711-2,723-4, 727-8,752,829-31,836,839-40,845,849-50,888, 994,1054,1064-5,1112,1114,1141,1157
4,27,123,164,422-3,432,622,741,746-7,757, 828,842-3,901,913,1004,1108,1158	19,435-6,443,589,691,726,811,854,896-9, 1002,1056,1109,1157
117,664,824-5,890,900,1125,1128-31,1144, 1158	959,961,1123,1132-3
117,236,276,314,340-1,353,413,415,432,497-8,502,504-5,507-10,585-6,690,696,698,705, 718,767,784,814,817,820,902,946,953,963, 1013-5,1158,1186,1189-91	14,93,100,154,343,437,439,506,691,699,700, 775,906-12,949,962,964,966-7,1053,1066
117,236,328,413,432,1158	691,726,770,811,845,1056,1146
413,823,926,929,1001	851,1011,1029
8,28-9,90,117,123-4,128-9,231,252,276-7, 286,288,314,457-8,588,592,683,718,733,778-80,785,800,844,893,903,927-8,930-1,965, 987,1142-3,1158	2,12,91,93,101,120-1,125-7,130,135,150,245, 249,281,316,344,412,434-6,440-5,450-1,454-5,469,471-2,482,511,538,577,589,632,656-7, 659-61,665-6,686,691,710,725,759-64,773-4, 783,792,794-5,811,852-3,885,888,891-2,932-4,941,950,960,968,1016,1023,1048,1050,1057, 1059,1061-3,1071-2,1102,1115
280,422,510,814-8	2,95,135,281,589,819,832,857,909,960,1145-6
622,753	13-4,278,281,672,782,1133
8,29,88-9,107,117,123,164,277,282-3,327, 415,423,493,507,690,734,741,746,757,779, 812-3,827,847-8,1003-4,1158	23,92-3,134,354,466,494-6,511,589,691,699, 700,715,722,725,735,795,822,886,947,957, 1028,1034,1049,1058,1113
826,889,1055	155,997

☆U.S. GOVERNMENT PRINTING OFFICE: 1981—569-036/14C

U. S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
SOUTHERN REGION
P. O. BOX 53326
NEW ORLEANS, LOUISIANA 70153

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, $300

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE
AGR 101

FIRST CLASS

Return the mailing label(s) to above address if:

- ☐ Your name or address is wrong (indicate corrections, including ZIP).
- ☐ You receive duplicate copies (include labels from all copies received).
- ☐ You do NOT wish to continue receiving this technical series.